

Pantheon Report

Generated at 2018-06-18 23:27:55 (UTC).

Data path: GCE Iowa 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.

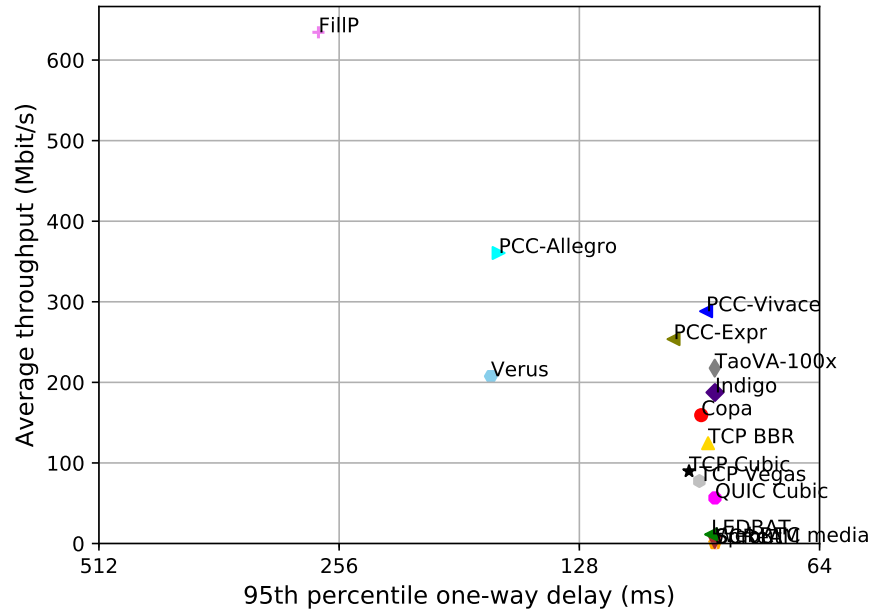
Increased UDP receive buffer to 16 MB (default) and 32 MB (max).

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

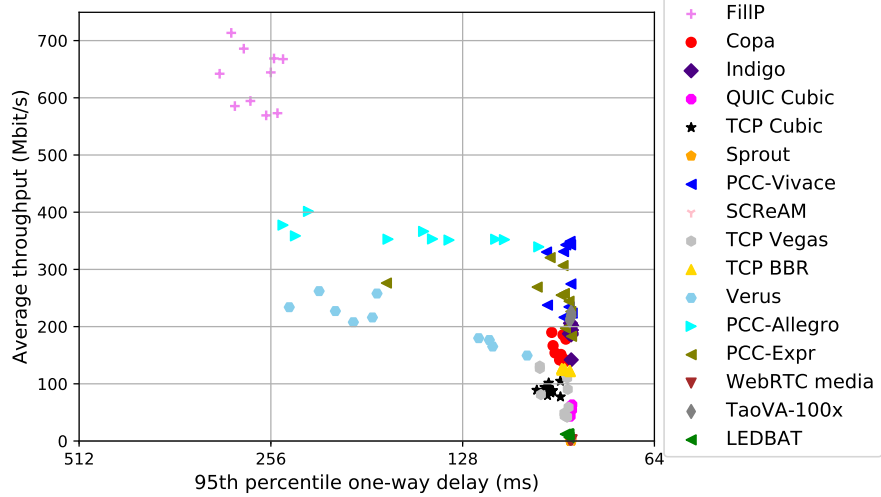
Git summary:

```
branch: master @ 9141c5f9450c85ea5ea2ea755a8e946998d3abf3
third_party/fillp @ d47f4fa1b454a5e3c0537115c5a28436dbd4b834
third_party/genericCC @ c7966e494a929986eaa5a9c169a7f381fe1bbbe5
third_party/indigo @ 2601c92e4aa9d58d38dc4dfe0ecdbf90c077e64d
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ 6f038ed31259d366f9840f65b82cbe8f464b1b39
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
M receiver/src/buffer.h
M receiver/src/core.cpp
M sender/src/buffer.h
M sender/src/core.cpp
third_party/pcc-experimental @ cd43e34e3f5f5613e8acd08fab92c4eb24f974ab
third_party/proto-quirk @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream-reproduce @ f099118d1421aa3131bf11ff1964974e1da3bdb2
M src/ScreamClient
M src/ScreamServer
third_party/sprout @ 366e35c6178b01e31d4a46ad18c74f9415f19a26
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
M src/verus.hpp
M tools/plot.py
third_party/vivace @ 2baf86211435ae071a32f96b7d8c504587f5d7f4
third_party/webRTC @ 3f0cc2a9061a41b6f9dde4735770d143a1fa2851
```

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



test from GCE Iowa 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	124.50	88.29	0.60
Copa	10	159.30	90.06	0.67
TCP Cubic	10	89.72	93.28	0.66
FillP	10	634.44	271.75	1.44
Indigo	9	187.50	86.55	0.61
LEDBAT	10	11.30	87.52	1.20
PCC-Allegro	10	360.54	161.57	0.96
PCC-Expr	10	253.65	97.55	0.81
QUIC Cubic	9	56.60	86.55	0.81
SCReAM	10	0.22	86.40	0.56
Sprout	10	0.29	86.56	0.45
TaoVA-100x	10	217.67	86.60	0.62
TCP Vegas	10	77.56	90.54	0.53
Verus	10	207.57	165.23	0.94
PCC-Vivace	10	288.27	88.80	0.71
WebRTC media	9	1.91	86.60	0.64

Run 1: Statistics of TCP BBR

Start at: 2018-06-18 18:58:24

End at: 2018-06-18 18:58:54

Local clock offset: -0.241 ms

Remote clock offset: 0.029 ms

Below is generated by plot.py at 2018-06-18 22:19:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 126.38 Mbit/s

95th percentile per-packet one-way delay: 88.572 ms

Loss rate: 0.59%

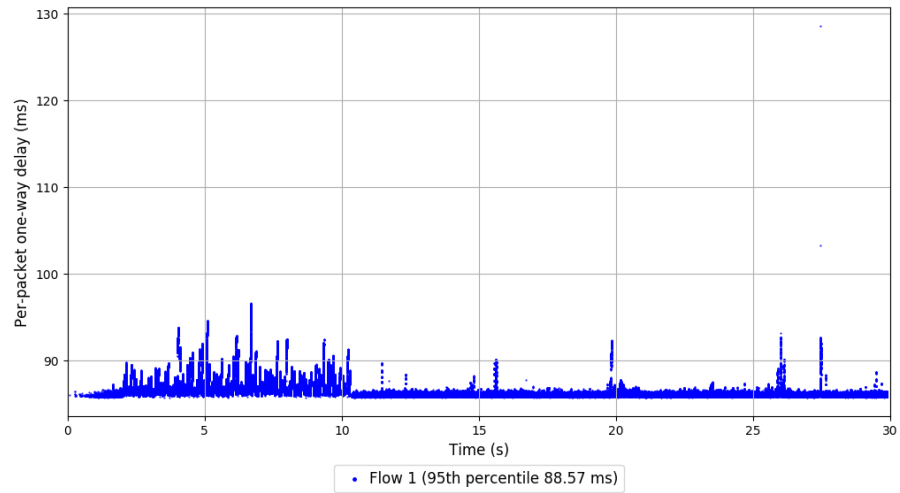
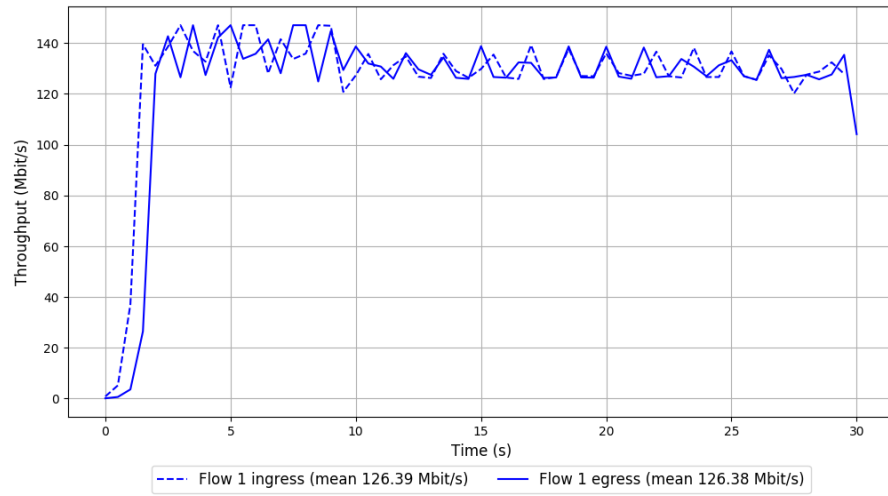
-- Flow 1:

Average throughput: 126.38 Mbit/s

95th percentile per-packet one-way delay: 88.572 ms

Loss rate: 0.59%

Run 1: Report of TCP BBR — Data Link

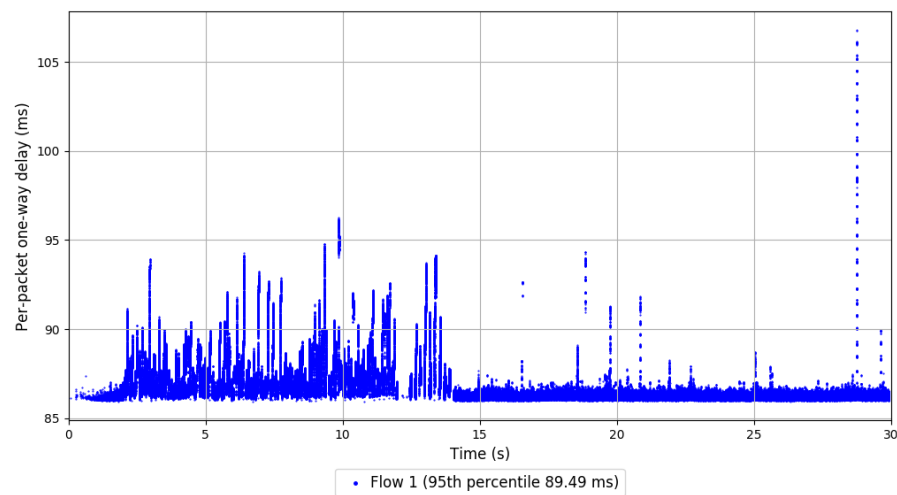
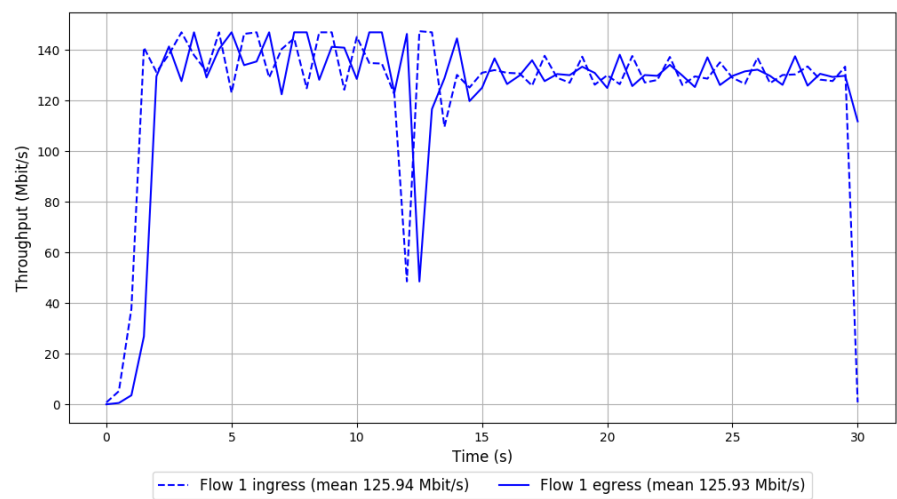


Run 2: Statistics of TCP BBR

Start at: 2018-06-18 19:18:46
End at: 2018-06-18 19:19:16
Local clock offset: 0.071 ms
Remote clock offset: -0.009 ms

Below is generated by plot.py at 2018-06-18 22:19:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 125.93 Mbit/s
95th percentile per-packet one-way delay: 89.488 ms
Loss rate: 0.59%
-- Flow 1:
Average throughput: 125.93 Mbit/s
95th percentile per-packet one-way delay: 89.488 ms
Loss rate: 0.59%

Run 2: Report of TCP BBR — Data Link

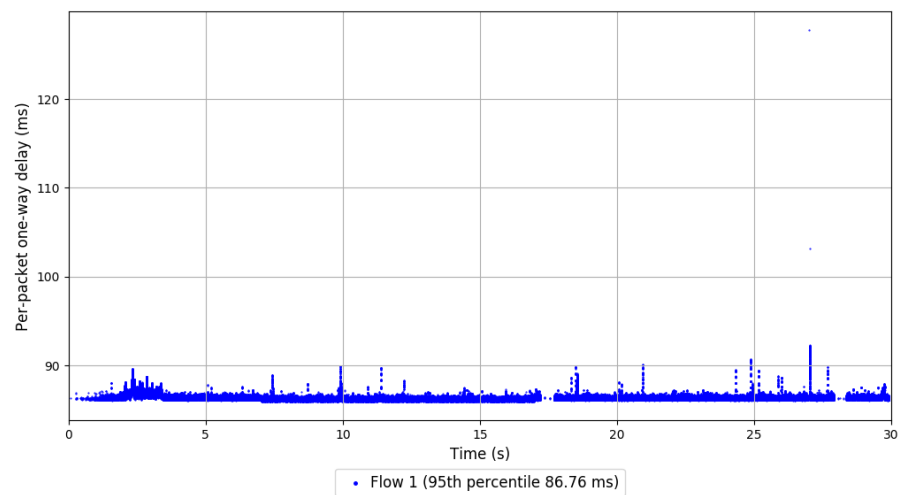
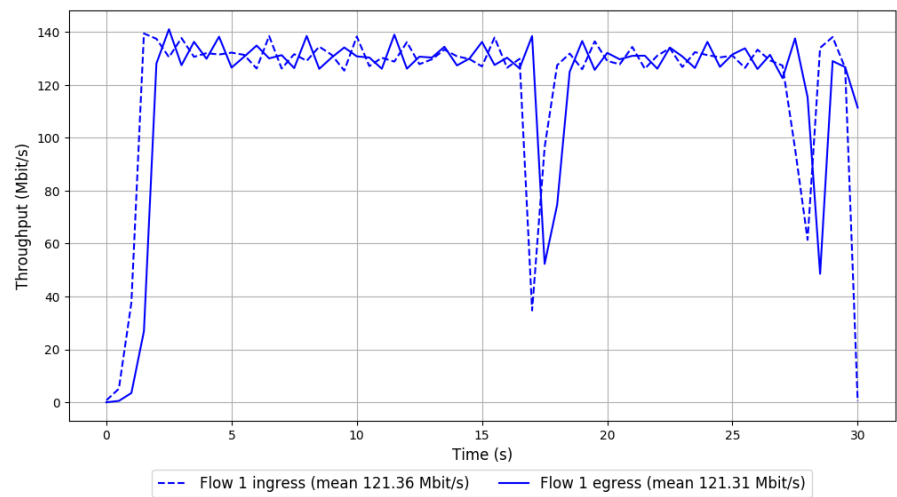


Run 3: Statistics of TCP BBR

Start at: 2018-06-18 19:39:20
End at: 2018-06-18 19:39:50
Local clock offset: 0.086 ms
Remote clock offset: -0.121 ms

Below is generated by plot.py at 2018-06-18 22:19:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 121.31 Mbit/s
95th percentile per-packet one-way delay: 86.762 ms
Loss rate: 0.61%
-- Flow 1:
Average throughput: 121.31 Mbit/s
95th percentile per-packet one-way delay: 86.762 ms
Loss rate: 0.61%

Run 3: Report of TCP BBR — Data Link



Run 4: Statistics of TCP BBR

Start at: 2018-06-18 19:59:58

End at: 2018-06-18 20:00:28

Local clock offset: 0.089 ms

Remote clock offset: -0.229 ms

Below is generated by plot.py at 2018-06-18 22:19:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 124.92 Mbit/s

95th percentile per-packet one-way delay: 88.615 ms

Loss rate: 0.60%

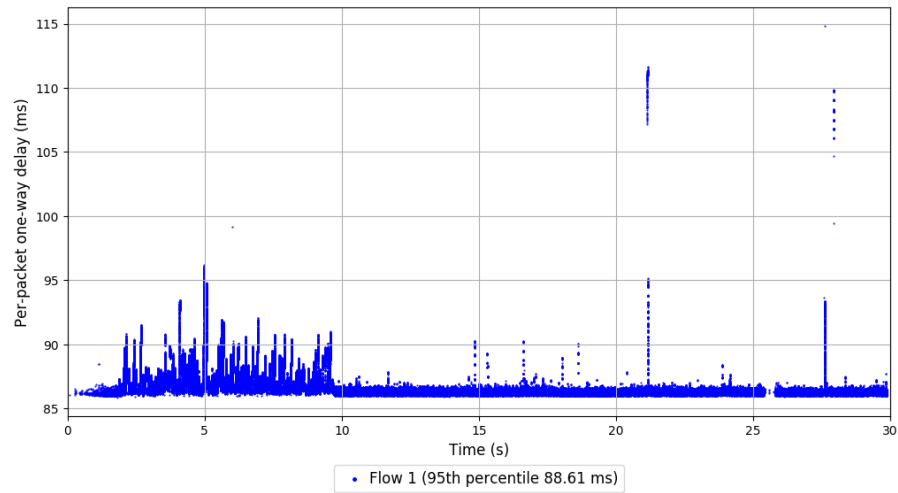
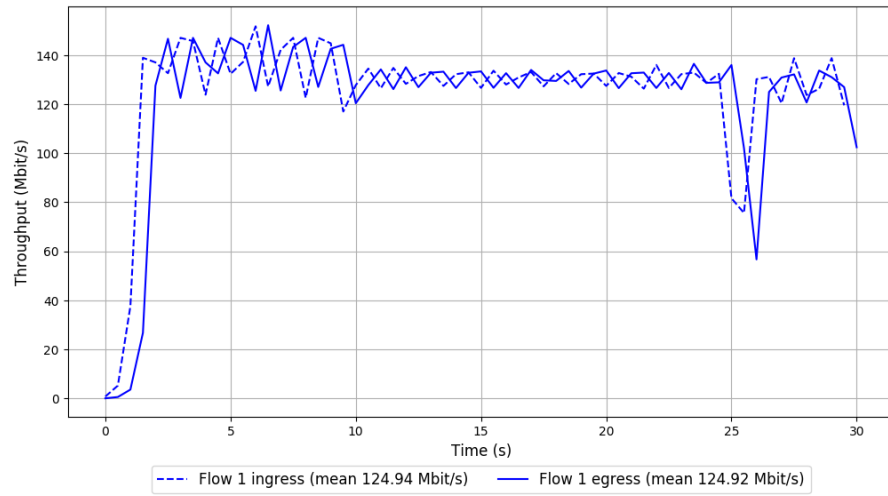
-- Flow 1:

Average throughput: 124.92 Mbit/s

95th percentile per-packet one-way delay: 88.615 ms

Loss rate: 0.60%

Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: 2018-06-18 20:20:38

End at: 2018-06-18 20:21:08

Local clock offset: 0.054 ms

Remote clock offset: -0.366 ms

Below is generated by plot.py at 2018-06-18 22:19:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 126.87 Mbit/s

95th percentile per-packet one-way delay: 89.424 ms

Loss rate: 0.64%

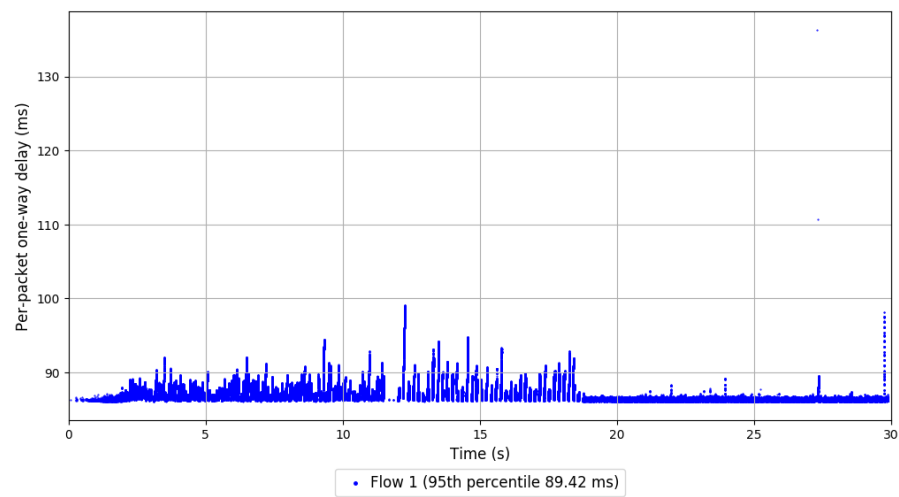
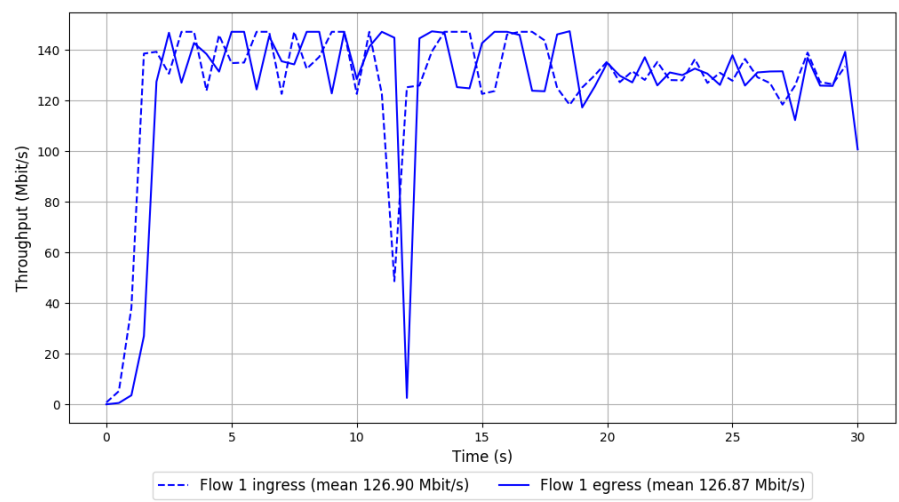
-- Flow 1:

Average throughput: 126.87 Mbit/s

95th percentile per-packet one-way delay: 89.424 ms

Loss rate: 0.64%

Run 5: Report of TCP BBR — Data Link

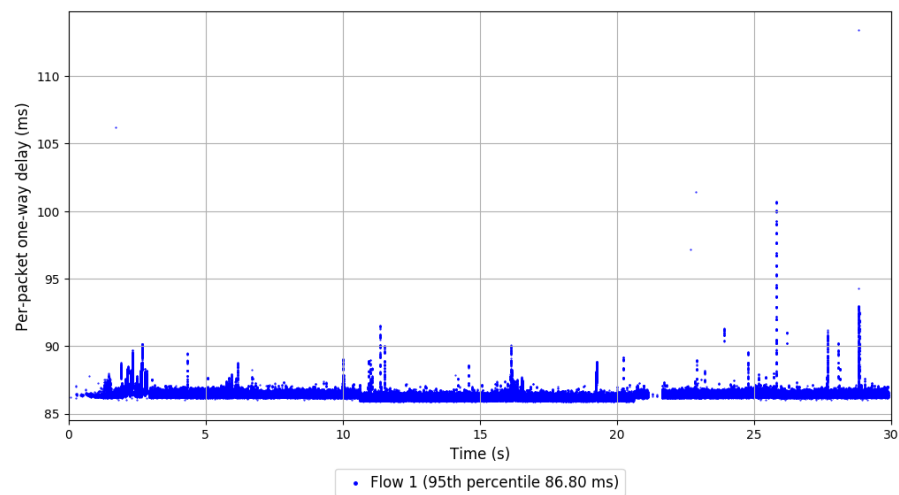
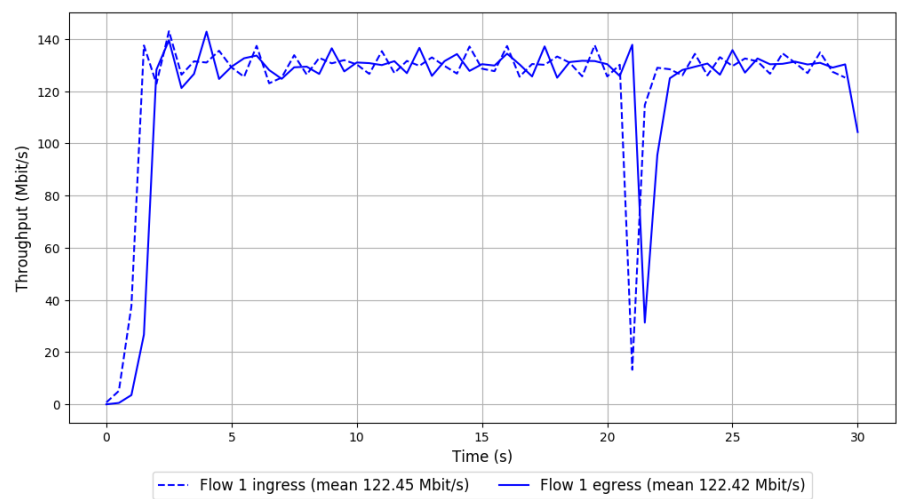


Run 6: Statistics of TCP BBR

Start at: 2018-06-18 20:41:07
End at: 2018-06-18 20:41:37
Local clock offset: 0.149 ms
Remote clock offset: -0.429 ms

Below is generated by plot.py at 2018-06-18 22:19:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 122.42 Mbit/s
95th percentile per-packet one-way delay: 86.803 ms
Loss rate: 0.60%
-- Flow 1:
Average throughput: 122.42 Mbit/s
95th percentile per-packet one-way delay: 86.803 ms
Loss rate: 0.60%

Run 6: Report of TCP BBR — Data Link

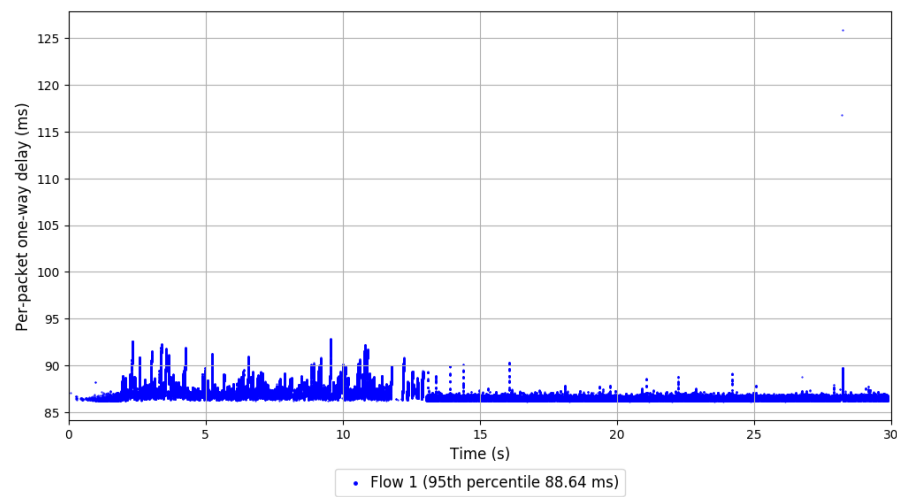
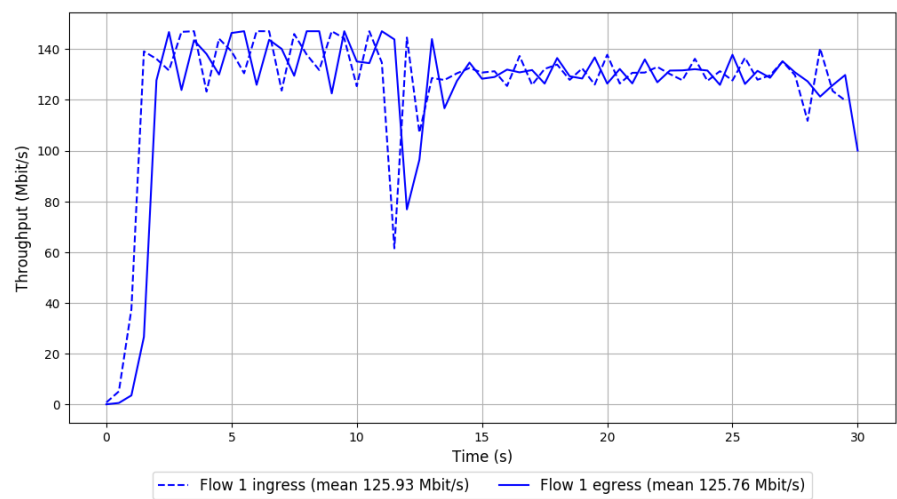


Run 7: Statistics of TCP BBR

Start at: 2018-06-18 21:01:21
End at: 2018-06-18 21:01:51
Local clock offset: 0.244 ms
Remote clock offset: -0.499 ms

Below is generated by plot.py at 2018-06-18 22:19:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 125.76 Mbit/s
95th percentile per-packet one-way delay: 88.635 ms
Loss rate: 0.59%
-- Flow 1:
Average throughput: 125.76 Mbit/s
95th percentile per-packet one-way delay: 88.635 ms
Loss rate: 0.59%

Run 7: Report of TCP BBR — Data Link



Run 8: Statistics of TCP BBR

Start at: 2018-06-18 21:21:54

End at: 2018-06-18 21:22:24

Local clock offset: 0.098 ms

Remote clock offset: -0.498 ms

Below is generated by plot.py at 2018-06-18 22:19:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 123.91 Mbit/s

95th percentile per-packet one-way delay: 88.295 ms

Loss rate: 0.59%

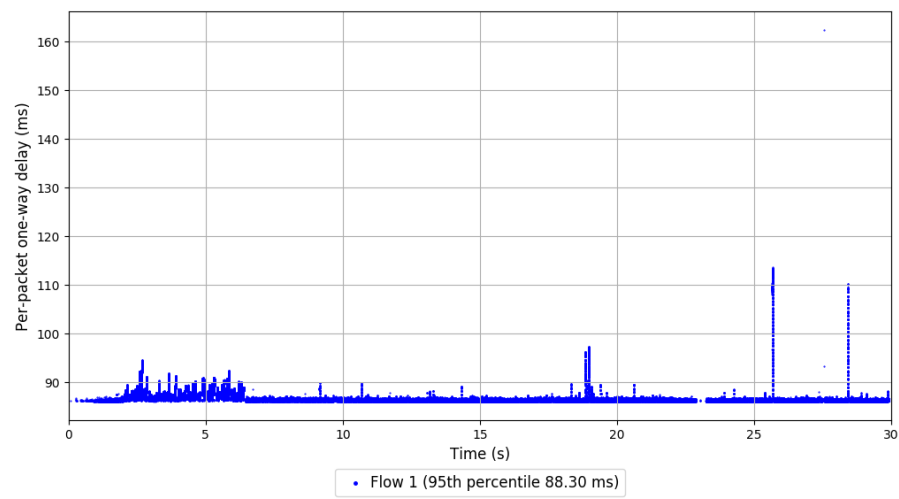
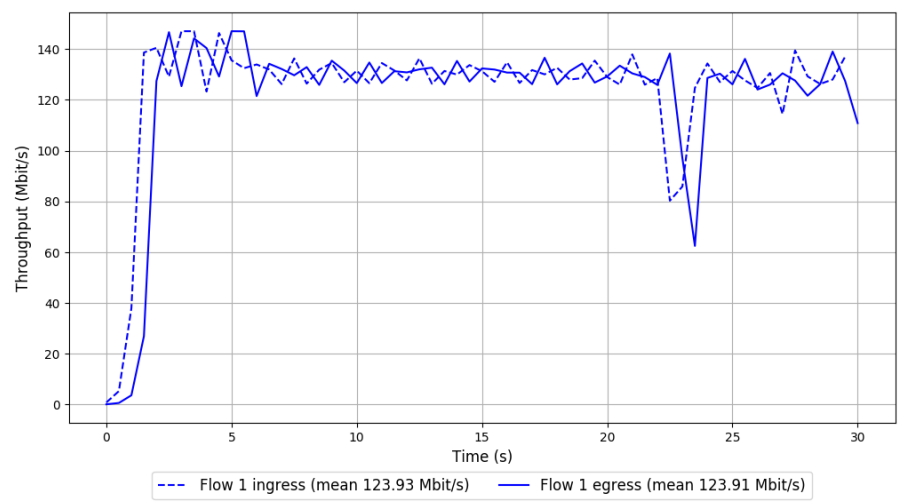
-- Flow 1:

Average throughput: 123.91 Mbit/s

95th percentile per-packet one-way delay: 88.295 ms

Loss rate: 0.59%

Run 8: Report of TCP BBR — Data Link



Run 9: Statistics of TCP BBR

Start at: 2018-06-18 21:42:27

End at: 2018-06-18 21:42:57

Local clock offset: -0.089 ms

Remote clock offset: -0.58 ms

Below is generated by plot.py at 2018-06-18 22:21:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 123.54 Mbit/s

95th percentile per-packet one-way delay: 86.892 ms

Loss rate: 0.55%

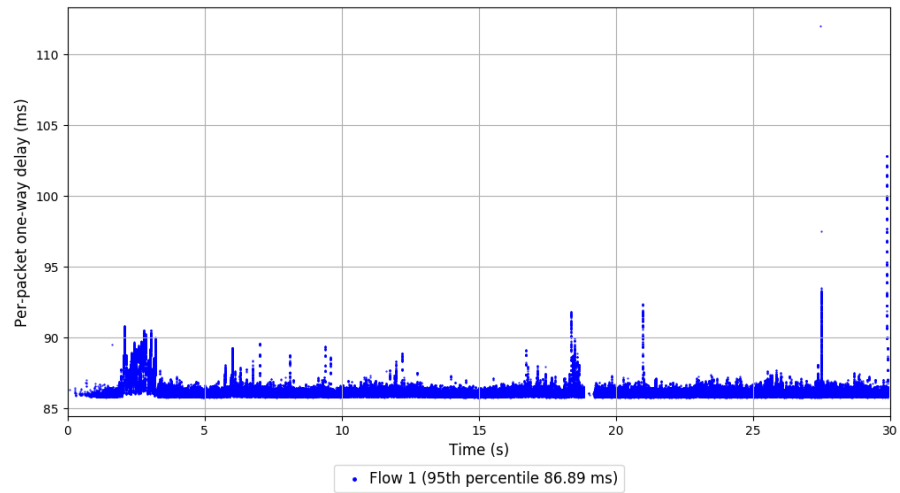
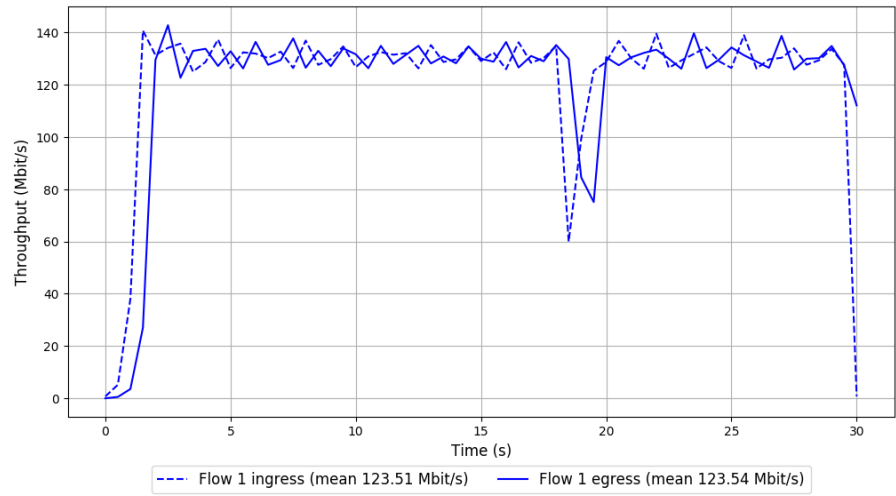
-- Flow 1:

Average throughput: 123.54 Mbit/s

95th percentile per-packet one-way delay: 86.892 ms

Loss rate: 0.55%

Run 9: Report of TCP BBR — Data Link

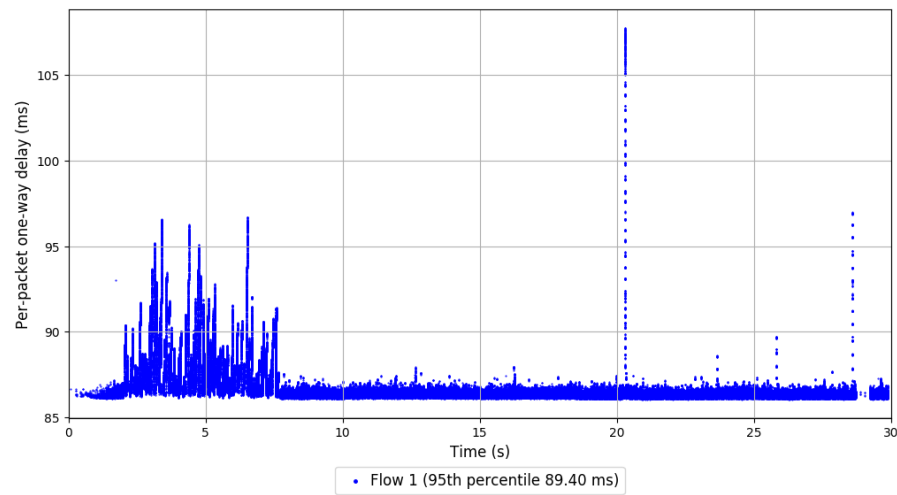
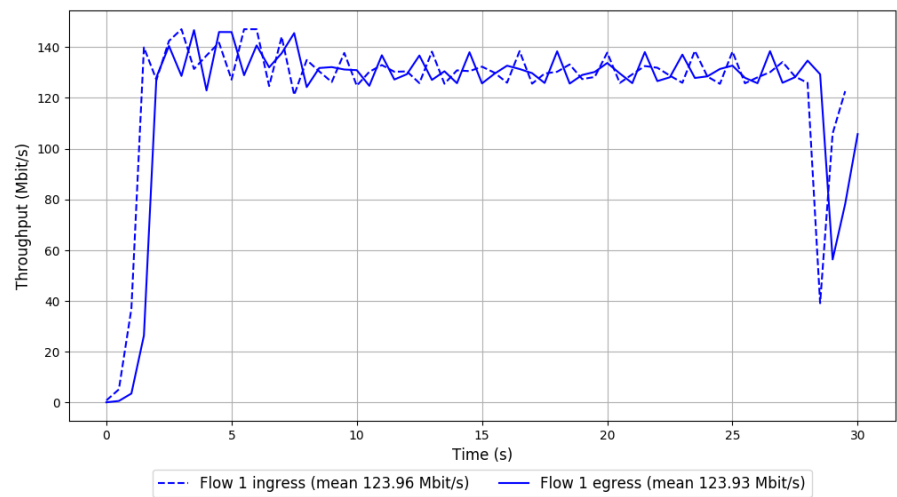


Run 10: Statistics of TCP BBR

Start at: 2018-06-18 22:02:59
End at: 2018-06-18 22:03:29
Local clock offset: 0.071 ms
Remote clock offset: -0.672 ms

Below is generated by plot.py at 2018-06-18 22:21:25
Datalink statistics
-- Total of 1 flow:
Average throughput: 123.93 Mbit/s
95th percentile per-packet one-way delay: 89.404 ms
Loss rate: 0.60%
-- Flow 1:
Average throughput: 123.93 Mbit/s
95th percentile per-packet one-way delay: 89.404 ms
Loss rate: 0.60%

Run 10: Report of TCP BBR — Data Link



Run 1: Statistics of Copa

Start at: 2018-06-18 18:57:05

End at: 2018-06-18 18:57:35

Local clock offset: 0.038 ms

Remote clock offset: 0.053 ms

Below is generated by plot.py at 2018-06-18 22:23:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 142.70 Mbit/s

95th percentile per-packet one-way delay: 88.738 ms

Loss rate: 0.62%

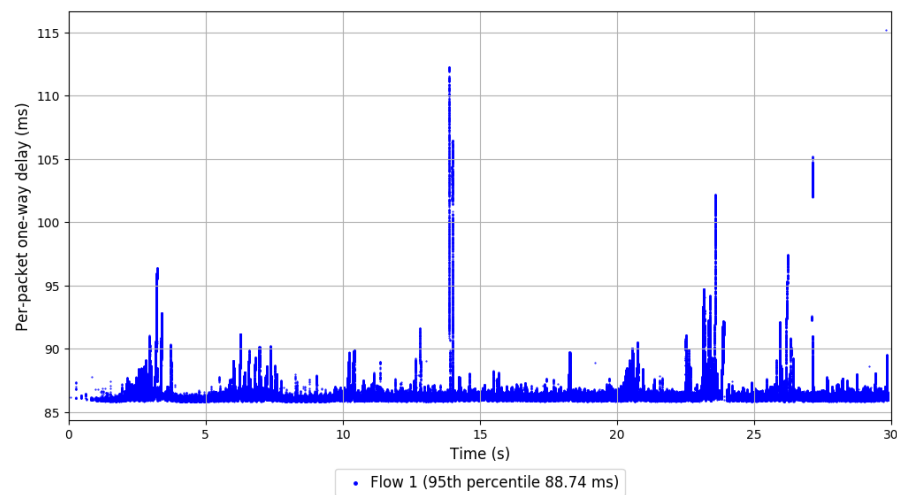
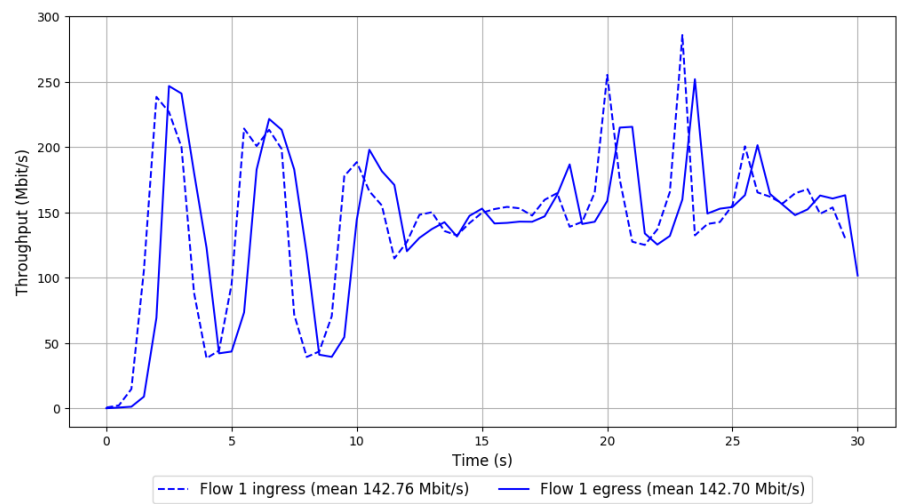
-- Flow 1:

Average throughput: 142.70 Mbit/s

95th percentile per-packet one-way delay: 88.738 ms

Loss rate: 0.62%

Run 1: Report of Copa — Data Link

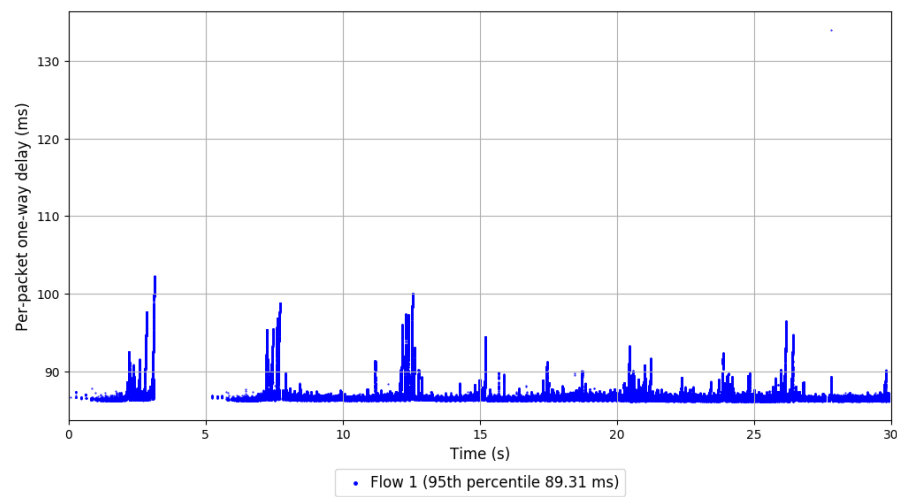
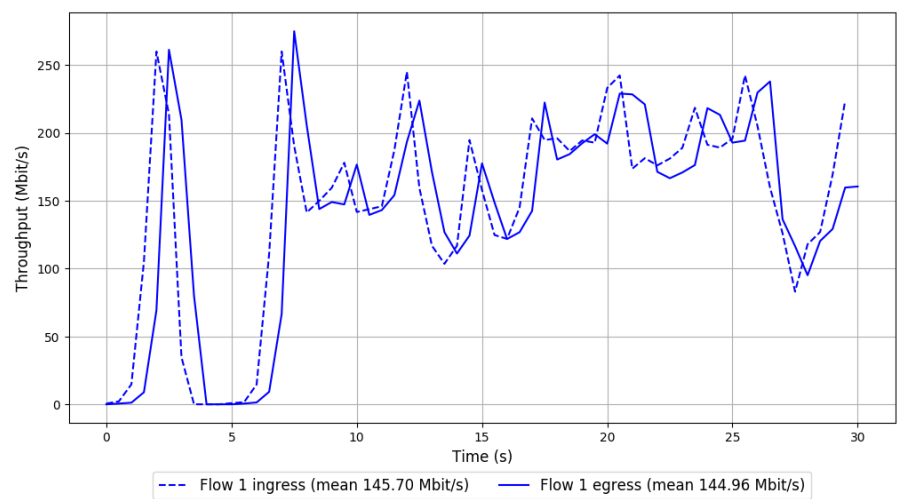


Run 2: Statistics of Copa

Start at: 2018-06-18 19:17:27
End at: 2018-06-18 19:17:57
Local clock offset: 0.29 ms
Remote clock offset: -0.081 ms

Below is generated by plot.py at 2018-06-18 22:24:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 144.96 Mbit/s
95th percentile per-packet one-way delay: 89.313 ms
Loss rate: 1.08%
-- Flow 1:
Average throughput: 144.96 Mbit/s
95th percentile per-packet one-way delay: 89.313 ms
Loss rate: 1.08%

Run 2: Report of Copa — Data Link

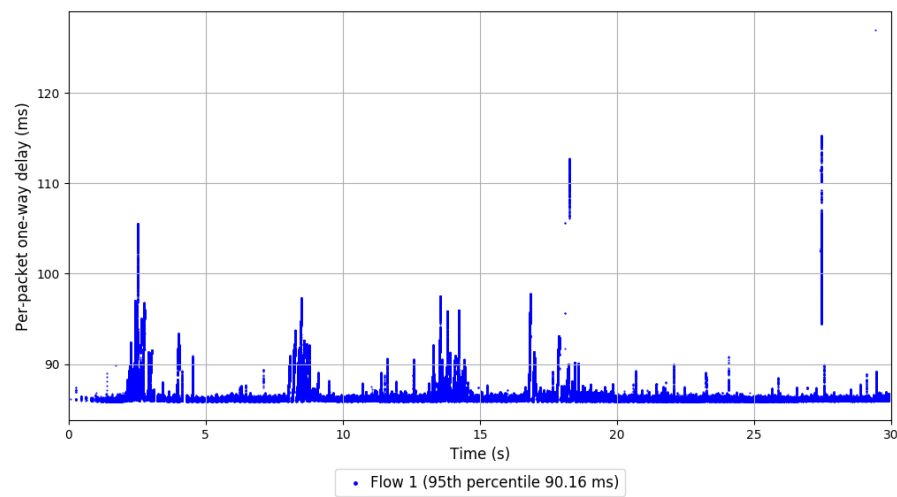
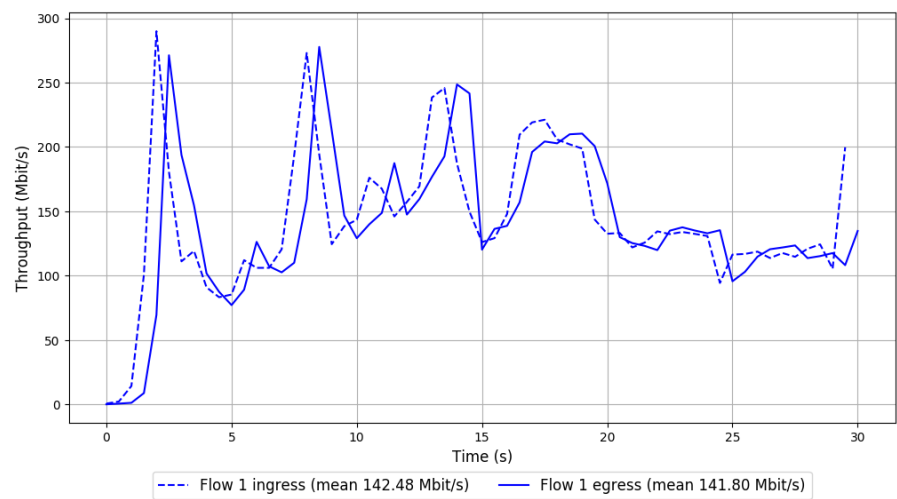


Run 3: Statistics of Copa

Start at: 2018-06-18 19:38:01
End at: 2018-06-18 19:38:31
Local clock offset: 0.058 ms
Remote clock offset: -0.126 ms

Below is generated by plot.py at 2018-06-18 22:24:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 141.80 Mbit/s
95th percentile per-packet one-way delay: 90.161 ms
Loss rate: 1.06%
-- Flow 1:
Average throughput: 141.80 Mbit/s
95th percentile per-packet one-way delay: 90.161 ms
Loss rate: 1.06%

Run 3: Report of Copa — Data Link



Run 4: Statistics of Copa

Start at: 2018-06-18 19:58:38

End at: 2018-06-18 19:59:08

Local clock offset: 0.037 ms

Remote clock offset: -0.28 ms

Below is generated by plot.py at 2018-06-18 22:24:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 151.28 Mbit/s

95th percentile per-packet one-way delay: 89.725 ms

Loss rate: 0.90%

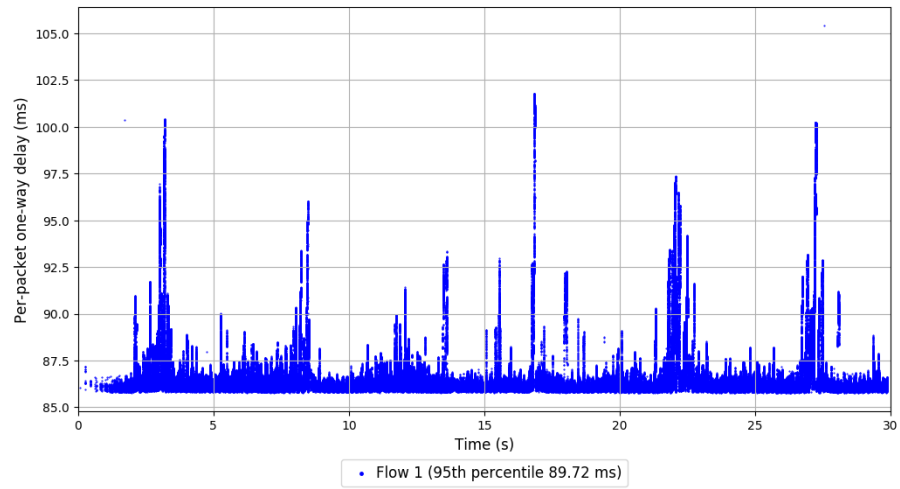
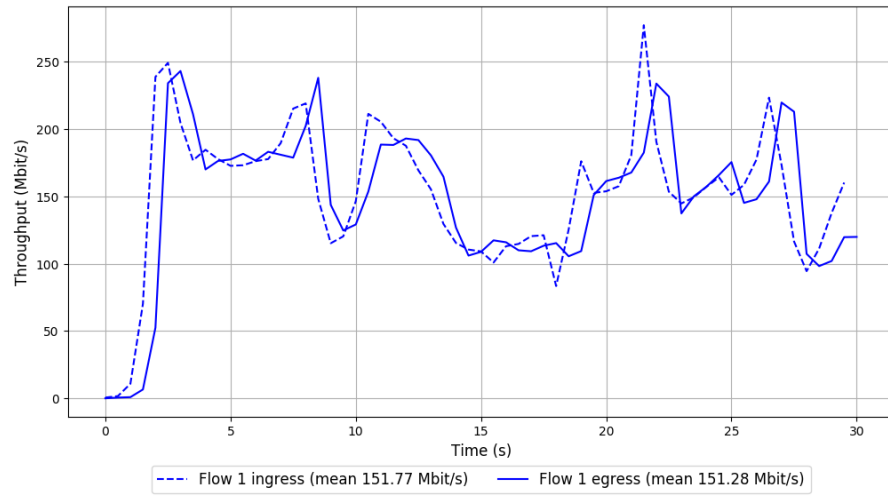
-- Flow 1:

Average throughput: 151.28 Mbit/s

95th percentile per-packet one-way delay: 89.725 ms

Loss rate: 0.90%

Run 4: Report of Copa — Data Link

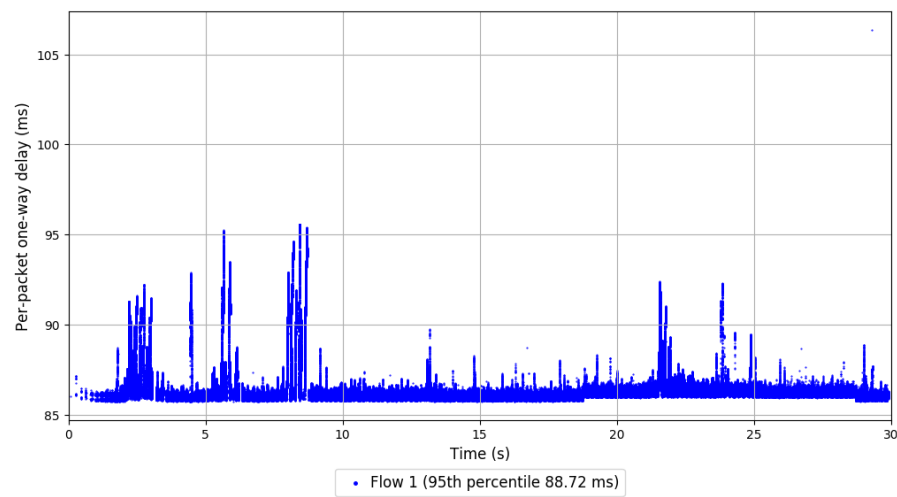
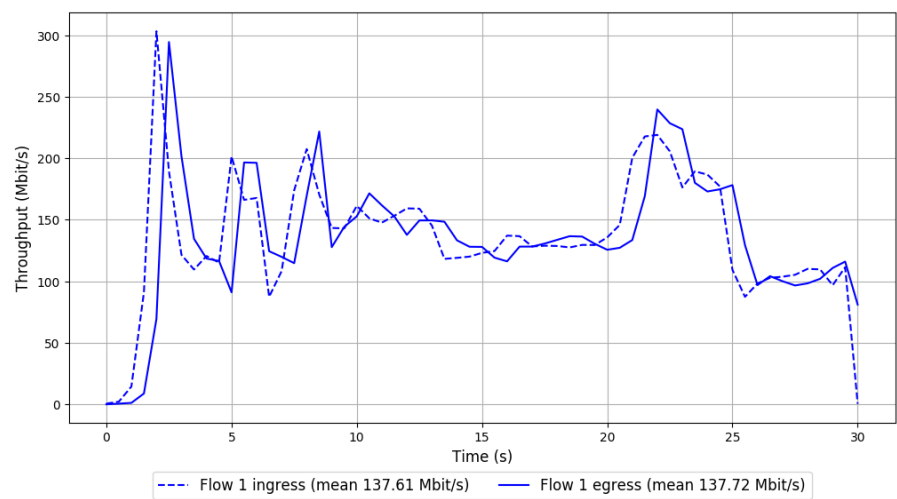


Run 5: Statistics of Copa

Start at: 2018-06-18 20:19:19
End at: 2018-06-18 20:19:49
Local clock offset: -0.015 ms
Remote clock offset: -0.356 ms

Below is generated by plot.py at 2018-06-18 22:24:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 137.72 Mbit/s
95th percentile per-packet one-way delay: 88.717 ms
Loss rate: 0.50%
-- Flow 1:
Average throughput: 137.72 Mbit/s
95th percentile per-packet one-way delay: 88.717 ms
Loss rate: 0.50%

Run 5: Report of Copa — Data Link

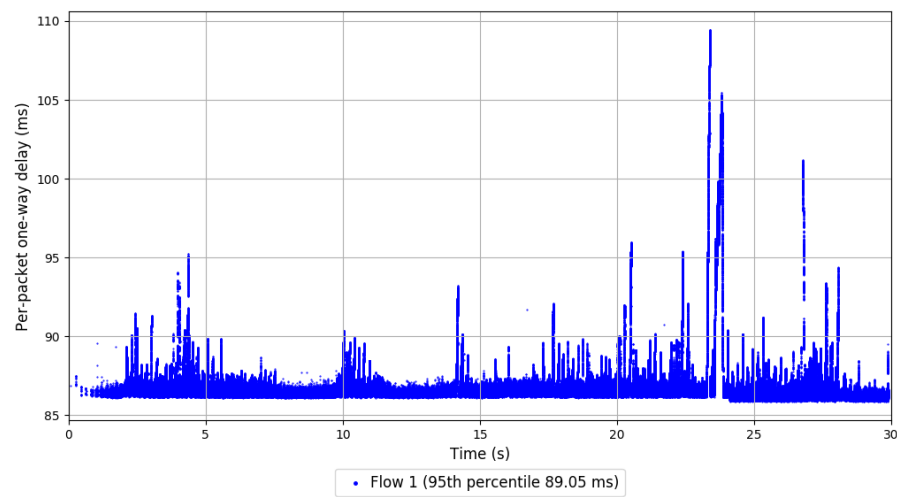
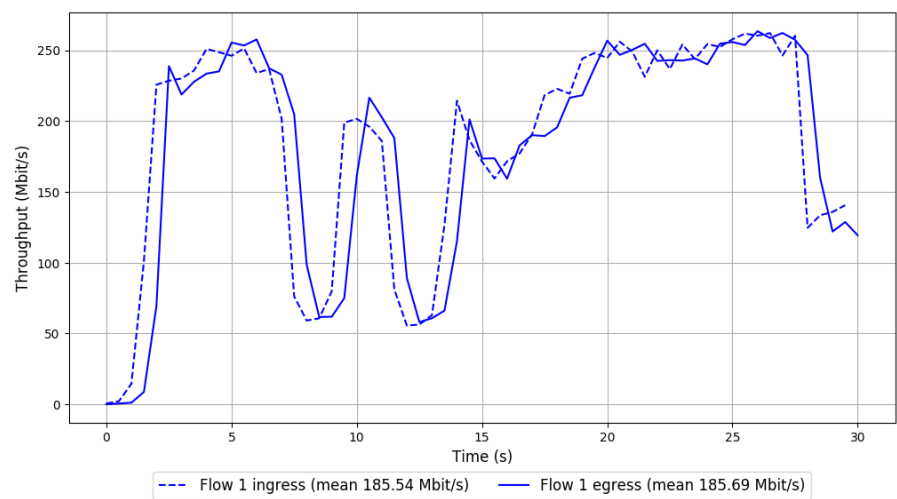


Run 6: Statistics of Copa

Start at: 2018-06-18 20:39:43
End at: 2018-06-18 20:40:13
Local clock offset: 0.123 ms
Remote clock offset: -0.419 ms

Below is generated by plot.py at 2018-06-18 22:25:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 185.69 Mbit/s
95th percentile per-packet one-way delay: 89.054 ms
Loss rate: 0.50%
-- Flow 1:
Average throughput: 185.69 Mbit/s
95th percentile per-packet one-way delay: 89.054 ms
Loss rate: 0.50%

Run 6: Report of Copa — Data Link

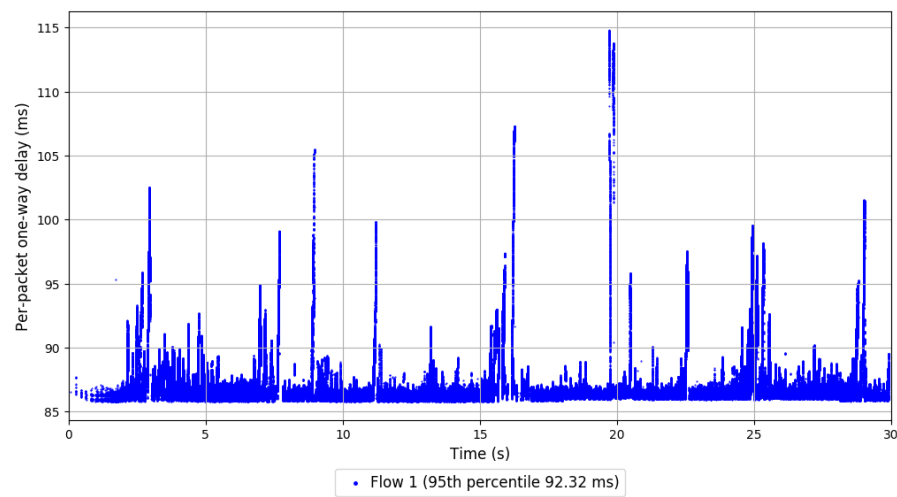
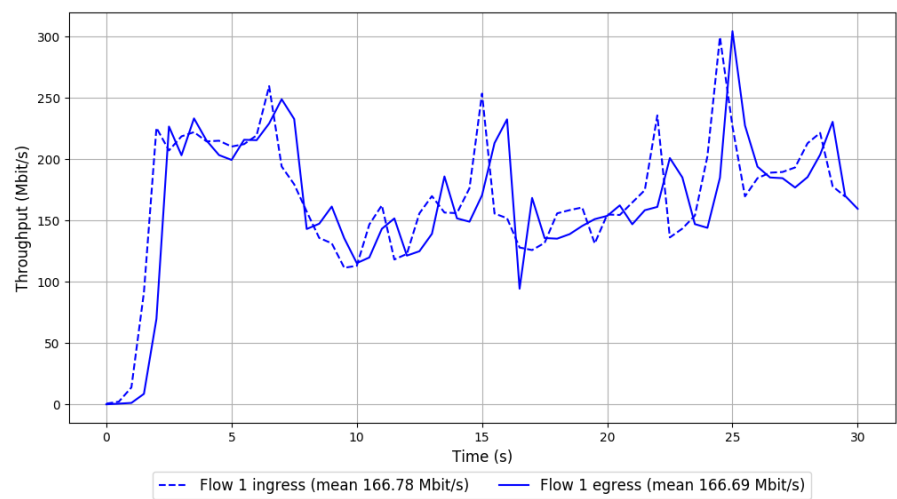


Run 7: Statistics of Copa

Start at: 2018-06-18 20:59:59
End at: 2018-06-18 21:00:29
Local clock offset: 0.071 ms
Remote clock offset: -0.442 ms

Below is generated by plot.py at 2018-06-18 22:26:49
Datalink statistics
-- Total of 1 flow:
Average throughput: 166.69 Mbit/s
95th percentile per-packet one-way delay: 92.317 ms
Loss rate: 0.63%
-- Flow 1:
Average throughput: 166.69 Mbit/s
95th percentile per-packet one-way delay: 92.317 ms
Loss rate: 0.63%

Run 7: Report of Copa — Data Link

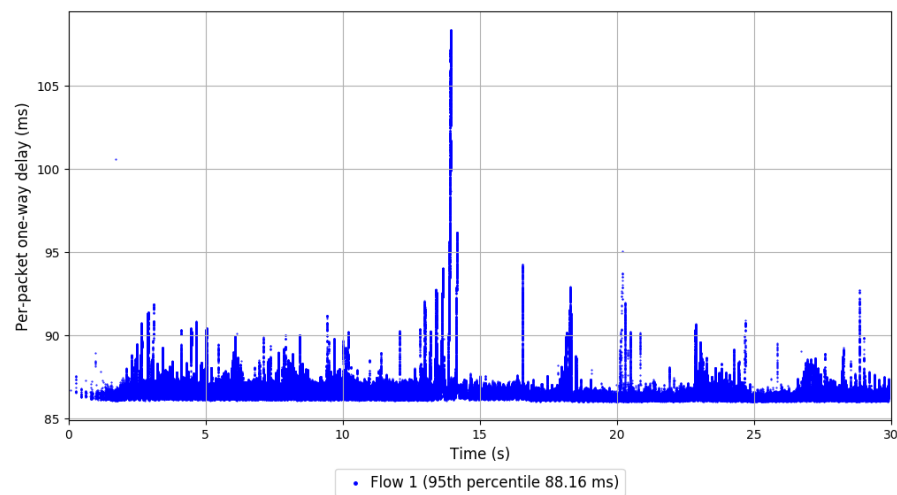
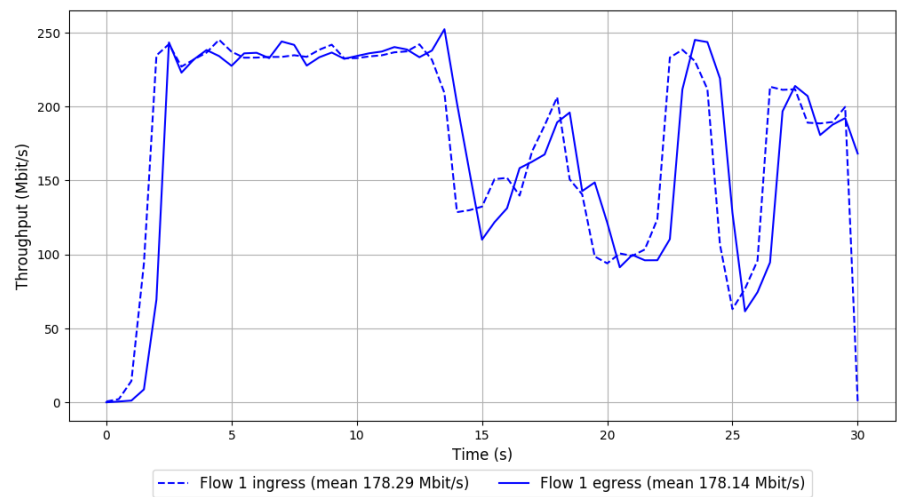


Run 8: Statistics of Copa

Start at: 2018-06-18 21:20:31
End at: 2018-06-18 21:21:01
Local clock offset: 0.175 ms
Remote clock offset: -0.536 ms

Below is generated by plot.py at 2018-06-18 22:27:17
Datalink statistics
-- Total of 1 flow:
Average throughput: 178.14 Mbit/s
95th percentile per-packet one-way delay: 88.158 ms
Loss rate: 0.66%
-- Flow 1:
Average throughput: 178.14 Mbit/s
95th percentile per-packet one-way delay: 88.158 ms
Loss rate: 0.66%

Run 8: Report of Copa — Data Link

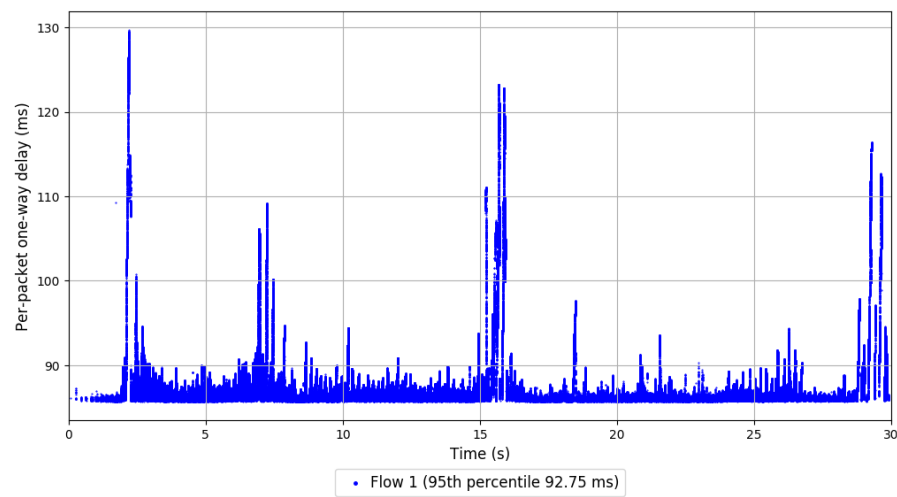
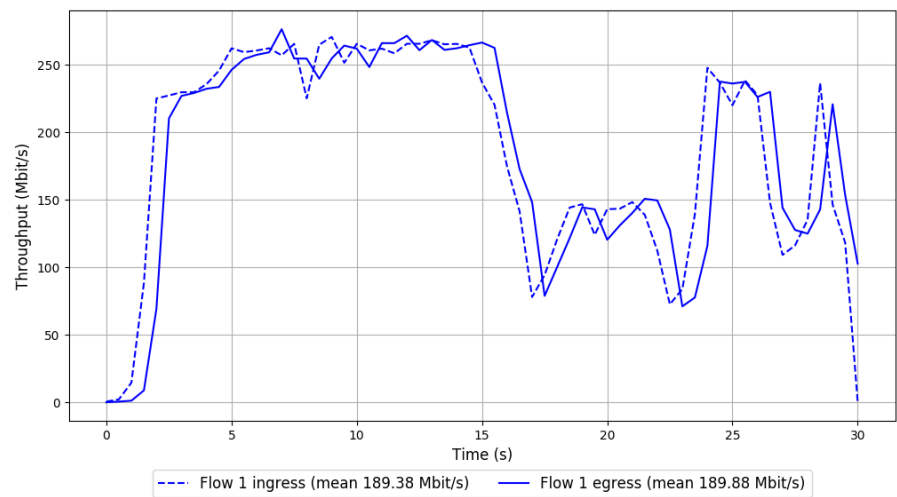


Run 9: Statistics of Copa

Start at: 2018-06-18 21:41:04
End at: 2018-06-18 21:41:34
Local clock offset: -0.015 ms
Remote clock offset: -0.592 ms

Below is generated by plot.py at 2018-06-18 22:29:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 189.88 Mbit/s
95th percentile per-packet one-way delay: 92.755 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 189.88 Mbit/s
95th percentile per-packet one-way delay: 92.755 ms
Loss rate: 0.31%

Run 9: Report of Copa — Data Link

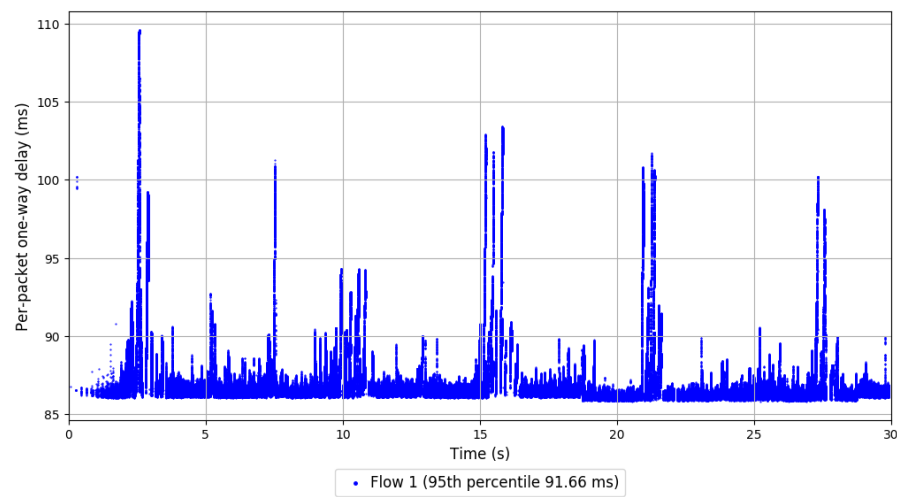
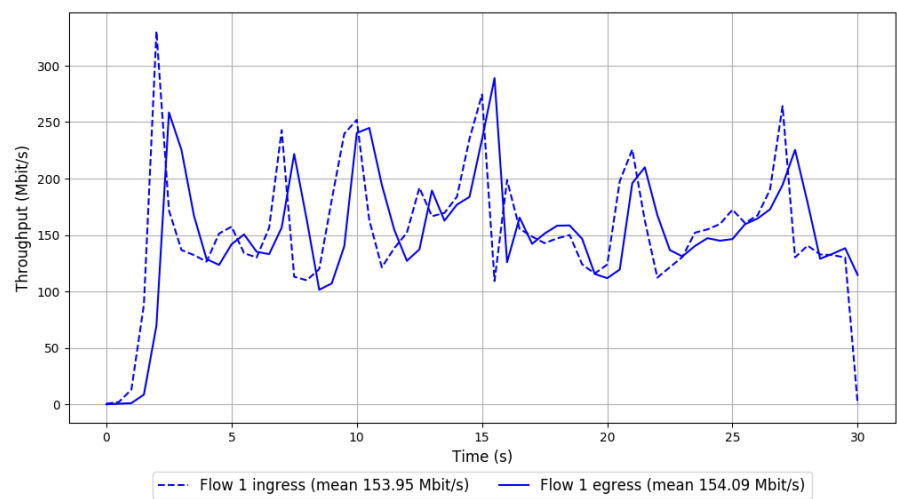


Run 10: Statistics of Copa

Start at: 2018-06-18 22:01:39
End at: 2018-06-18 22:02:09
Local clock offset: 0.034 ms
Remote clock offset: -0.667 ms

Below is generated by plot.py at 2018-06-18 22:29:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 154.09 Mbit/s
95th percentile per-packet one-way delay: 91.662 ms
Loss rate: 0.48%
-- Flow 1:
Average throughput: 154.09 Mbit/s
95th percentile per-packet one-way delay: 91.662 ms
Loss rate: 0.48%

Run 10: Report of Copa — Data Link



Run 1: Statistics of TCP Cubic

Start at: 2018-06-18 19:00:44

End at: 2018-06-18 19:01:14

Local clock offset: 0.088 ms

Remote clock offset: 0.055 ms

Below is generated by plot.py at 2018-06-18 22:29:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 77.29 Mbit/s

95th percentile per-packet one-way delay: 89.879 ms

Loss rate: 0.48%

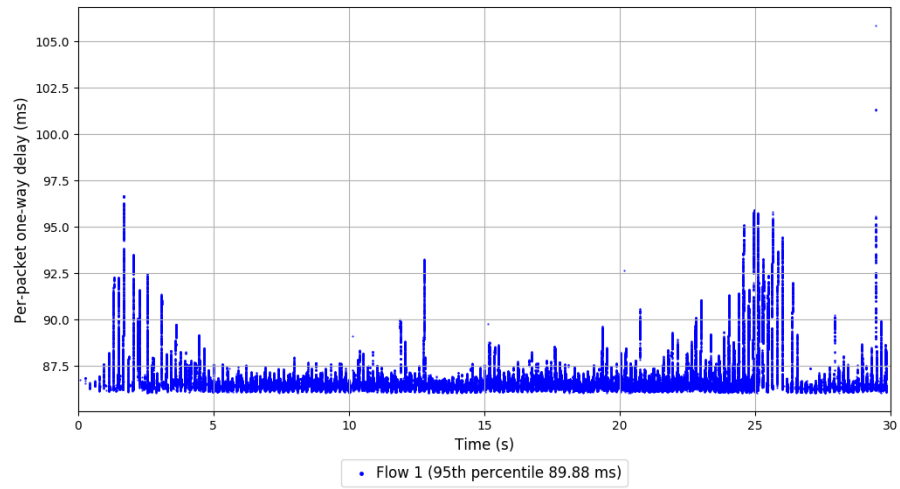
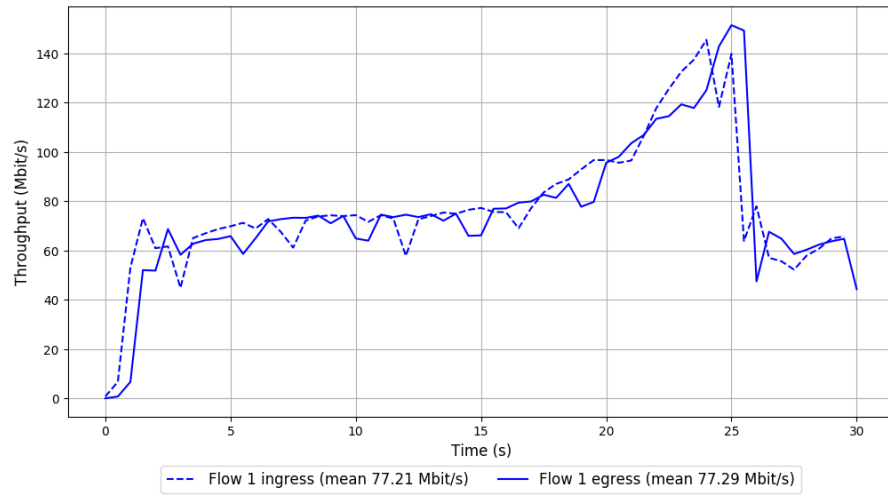
-- Flow 1:

Average throughput: 77.29 Mbit/s

95th percentile per-packet one-way delay: 89.879 ms

Loss rate: 0.48%

Run 1: Report of TCP Cubic — Data Link



Run 2: Statistics of TCP Cubic

Start at: 2018-06-18 19:21:06

End at: 2018-06-18 19:21:36

Local clock offset: 0.163 ms

Remote clock offset: -0.06 ms

Below is generated by plot.py at 2018-06-18 22:29:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 79.83 Mbit/s

95th percentile per-packet one-way delay: 94.185 ms

Loss rate: 0.43%

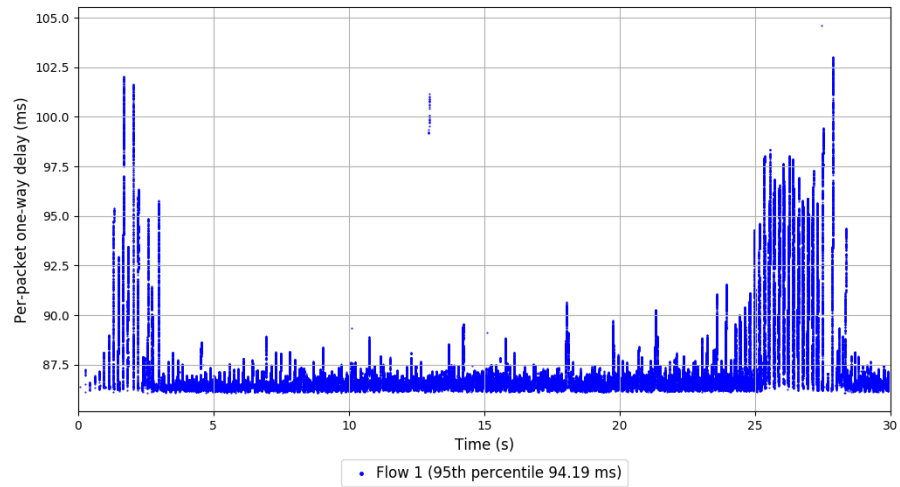
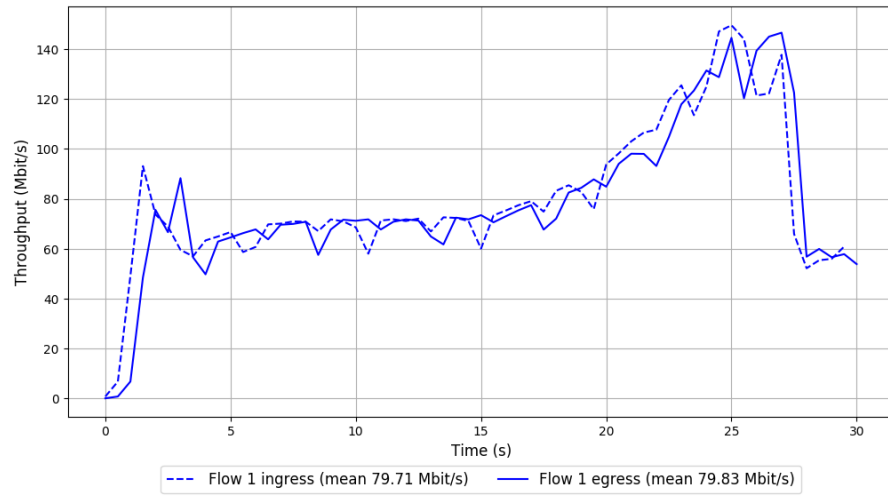
-- Flow 1:

Average throughput: 79.83 Mbit/s

95th percentile per-packet one-way delay: 94.185 ms

Loss rate: 0.43%

Run 2: Report of TCP Cubic — Data Link

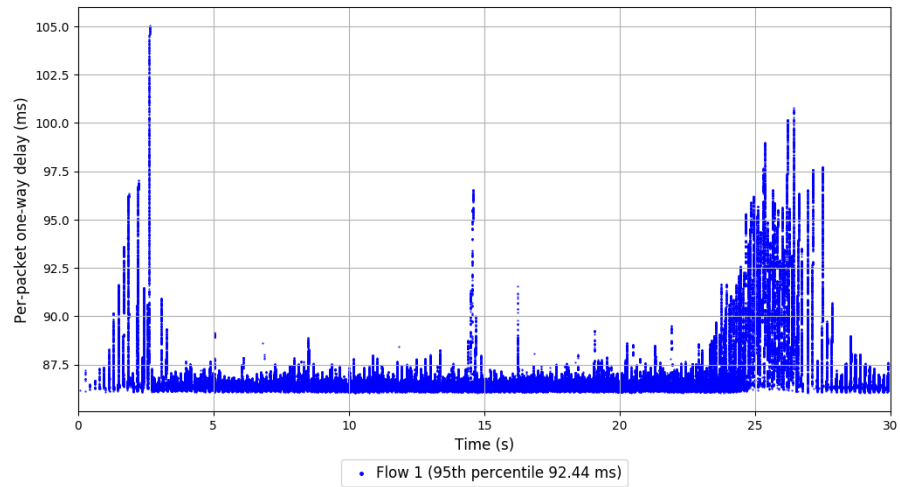
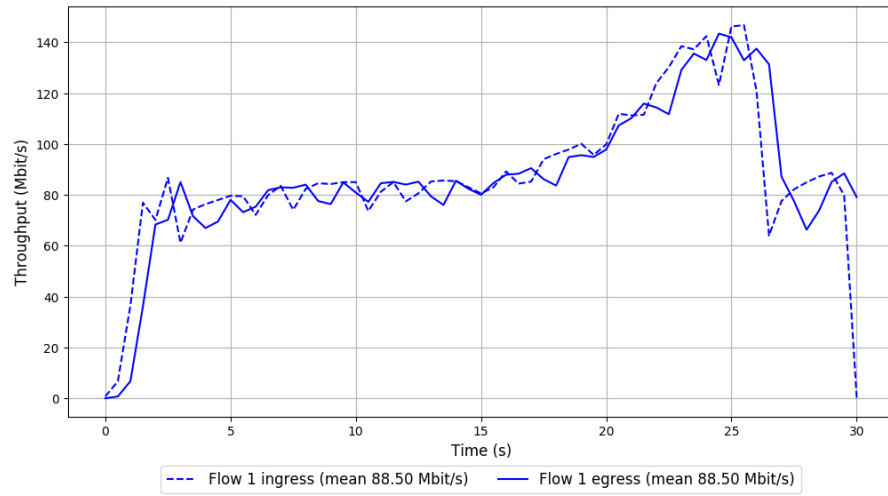


Run 3: Statistics of TCP Cubic

Start at: 2018-06-18 19:41:40
End at: 2018-06-18 19:42:10
Local clock offset: 0.141 ms
Remote clock offset: -0.153 ms

Below is generated by plot.py at 2018-06-18 22:29:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 88.50 Mbit/s
95th percentile per-packet one-way delay: 92.440 ms
Loss rate: 0.57%
-- Flow 1:
Average throughput: 88.50 Mbit/s
95th percentile per-packet one-way delay: 92.440 ms
Loss rate: 0.57%

Run 3: Report of TCP Cubic — Data Link

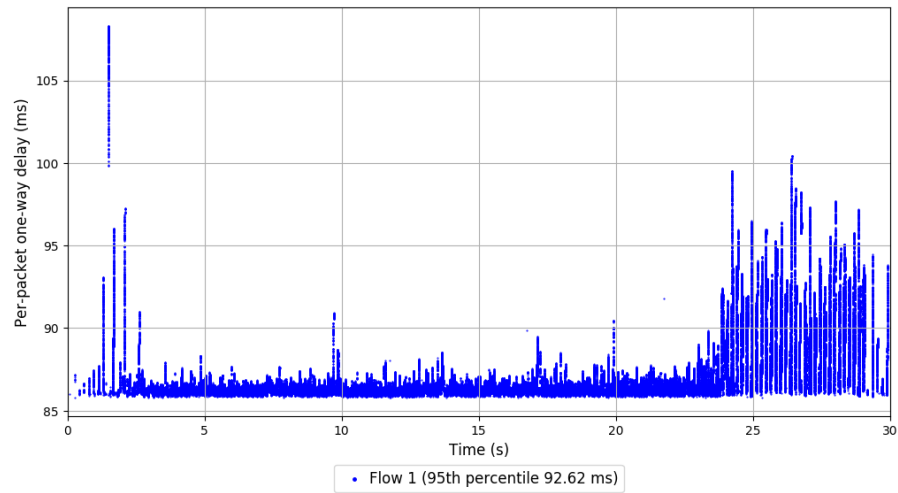
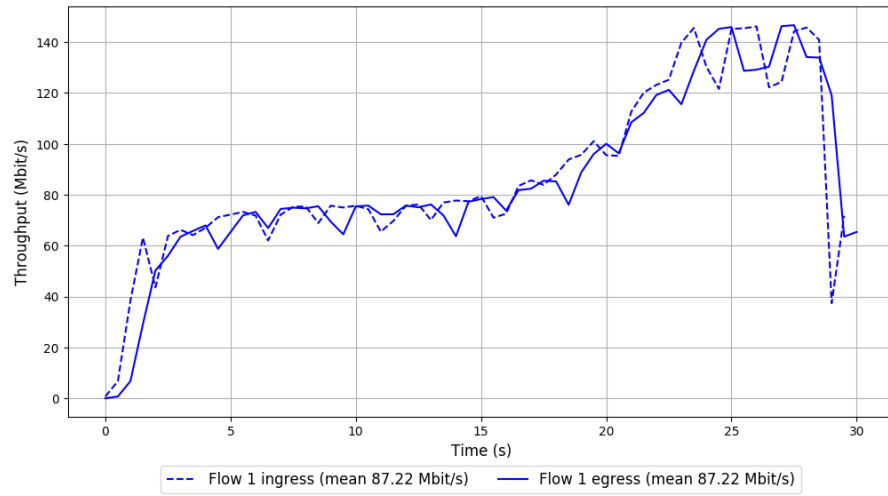


Run 4: Statistics of TCP Cubic

Start at: 2018-06-18 20:02:18
End at: 2018-06-18 20:02:48
Local clock offset: -0.072 ms
Remote clock offset: -0.245 ms

Below is generated by plot.py at 2018-06-18 22:29:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 87.22 Mbit/s
95th percentile per-packet one-way delay: 92.625 ms
Loss rate: 0.57%
-- Flow 1:
Average throughput: 87.22 Mbit/s
95th percentile per-packet one-way delay: 92.625 ms
Loss rate: 0.57%

Run 4: Report of TCP Cubic — Data Link

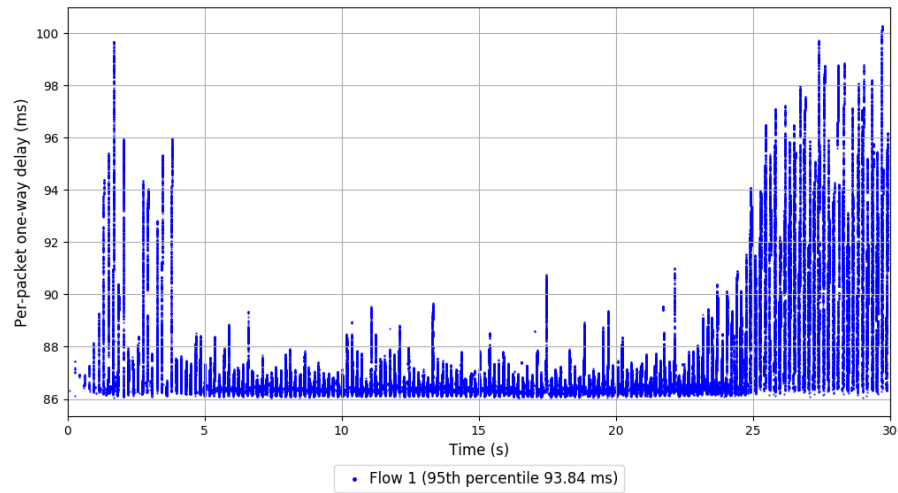
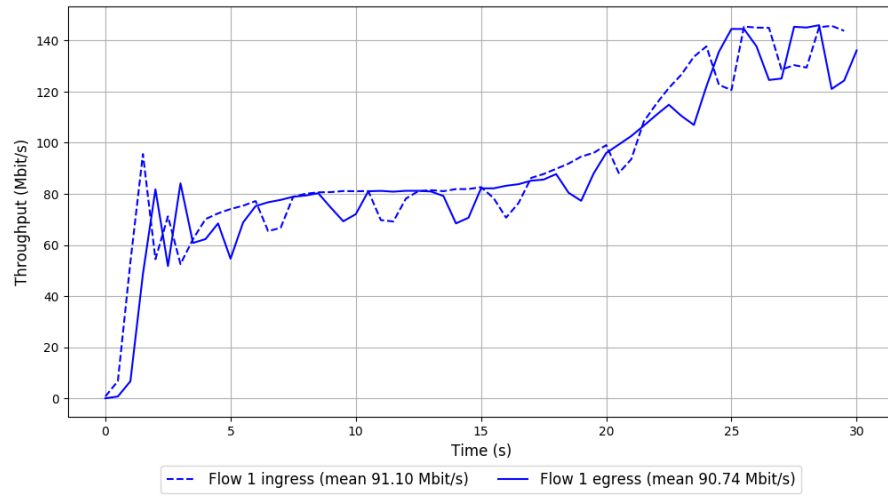


Run 5: Statistics of TCP Cubic

Start at: 2018-06-18 20:22:58
End at: 2018-06-18 20:23:28
Local clock offset: 0.115 ms
Remote clock offset: -0.343 ms

Below is generated by plot.py at 2018-06-18 22:29:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 90.74 Mbit/s
95th percentile per-packet one-way delay: 93.840 ms
Loss rate: 0.97%
-- Flow 1:
Average throughput: 90.74 Mbit/s
95th percentile per-packet one-way delay: 93.840 ms
Loss rate: 0.97%

Run 5: Report of TCP Cubic — Data Link

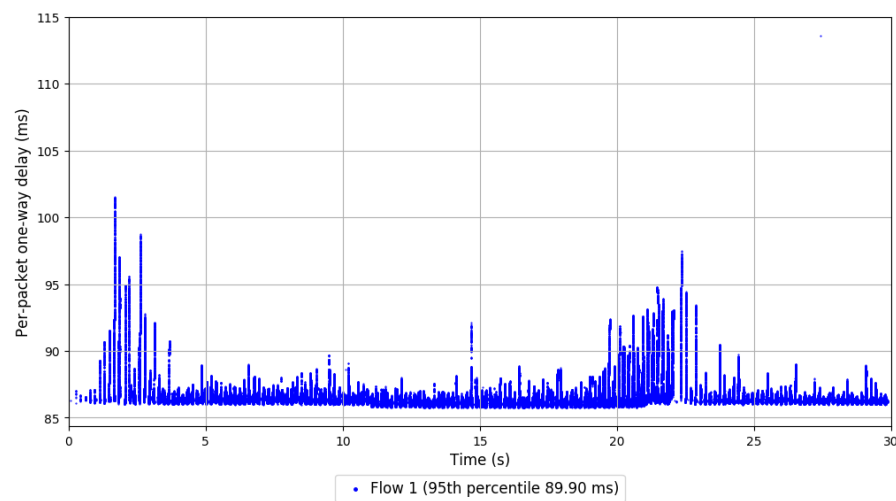
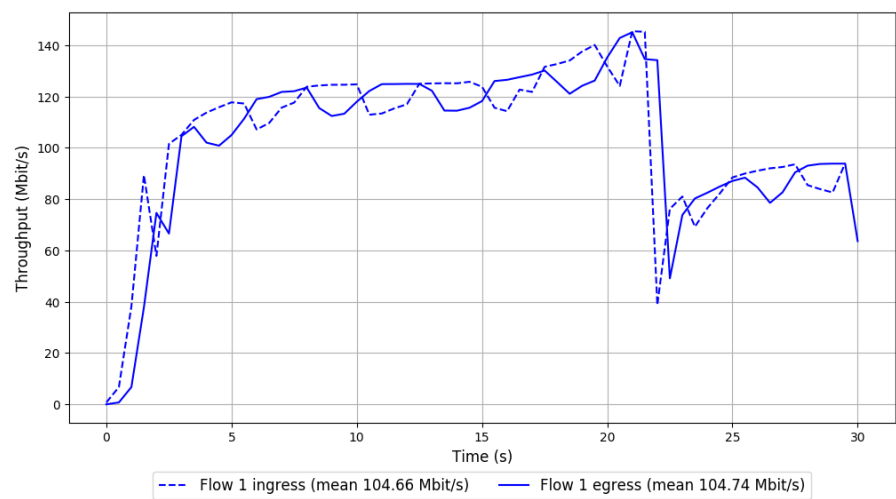


Run 6: Statistics of TCP Cubic

Start at: 2018-06-18 20:43:26
End at: 2018-06-18 20:43:56
Local clock offset: 0.094 ms
Remote clock offset: -0.341 ms

Below is generated by plot.py at 2018-06-18 22:29:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 104.74 Mbit/s
95th percentile per-packet one-way delay: 89.899 ms
Loss rate: 0.50%
-- Flow 1:
Average throughput: 104.74 Mbit/s
95th percentile per-packet one-way delay: 89.899 ms
Loss rate: 0.50%

Run 6: Report of TCP Cubic — Data Link

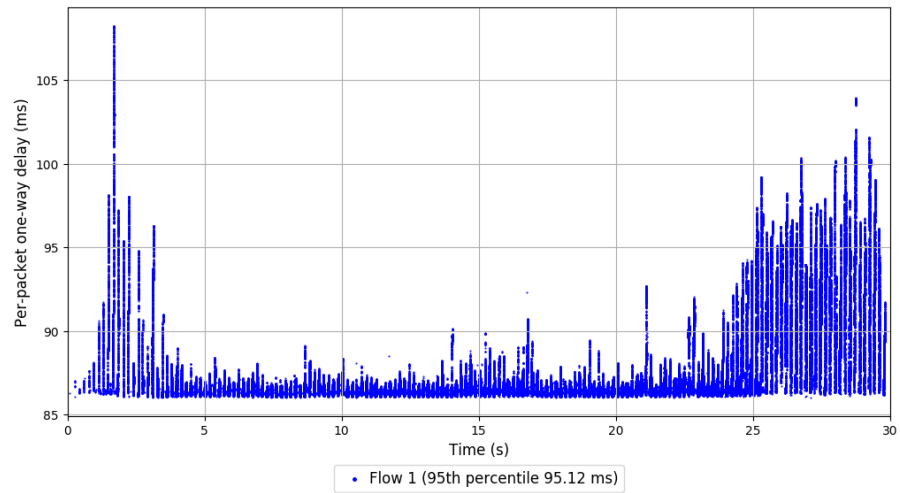
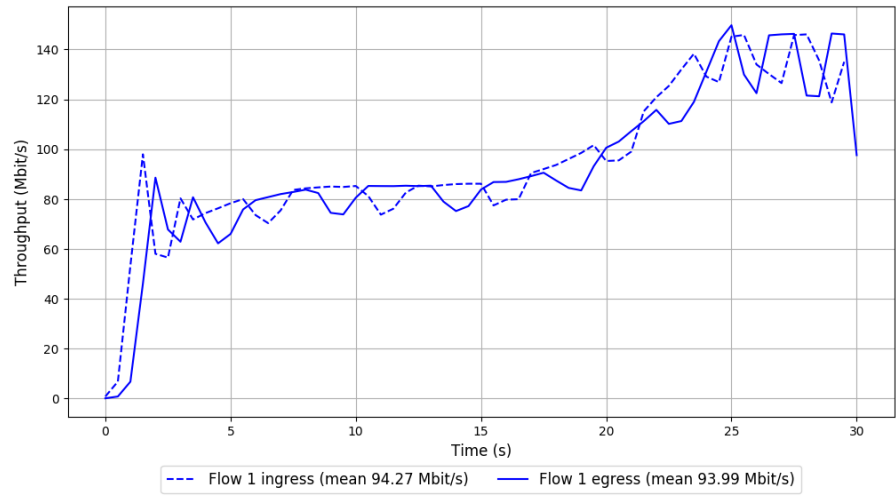


Run 7: Statistics of TCP Cubic

Start at: 2018-06-18 21:03:41
End at: 2018-06-18 21:04:11
Local clock offset: 0.102 ms
Remote clock offset: -0.525 ms

Below is generated by plot.py at 2018-06-18 22:29:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 93.99 Mbit/s
95th percentile per-packet one-way delay: 95.119 ms
Loss rate: 0.86%
-- Flow 1:
Average throughput: 93.99 Mbit/s
95th percentile per-packet one-way delay: 95.119 ms
Loss rate: 0.86%

Run 7: Report of TCP Cubic — Data Link

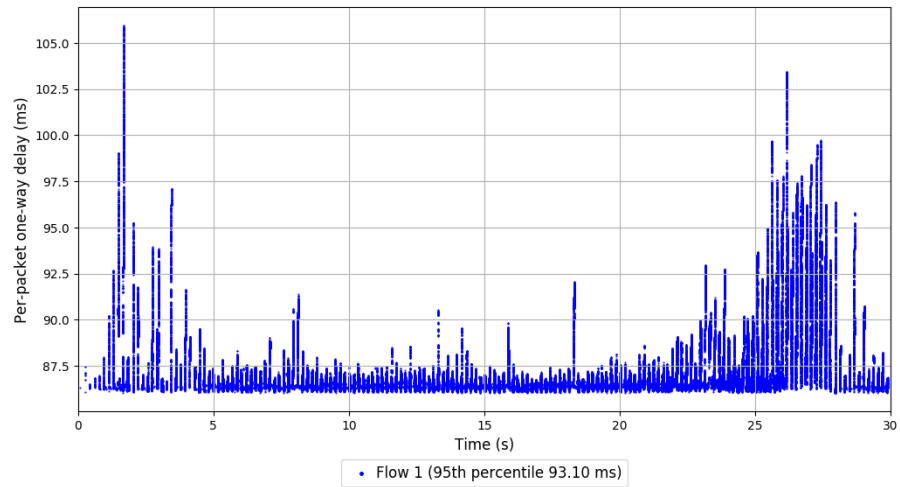
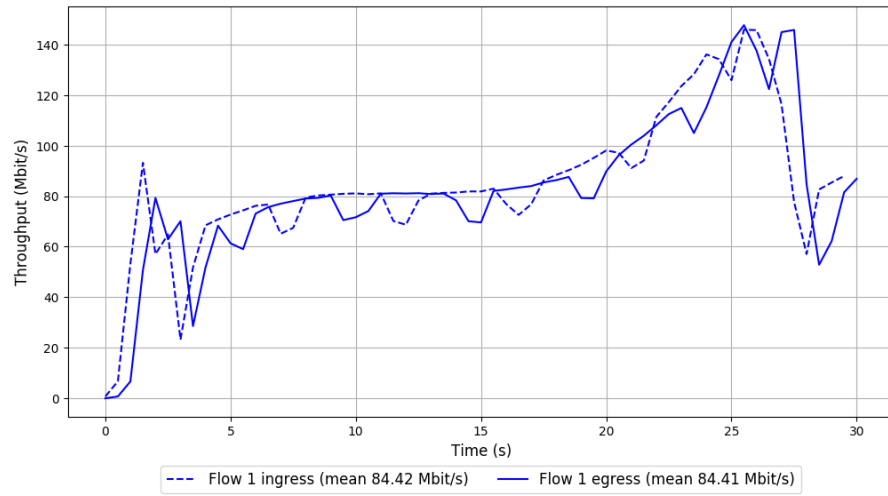


Run 8: Statistics of TCP Cubic

Start at: 2018-06-18 21:24:14
End at: 2018-06-18 21:24:44
Local clock offset: 0.186 ms
Remote clock offset: -0.503 ms

Below is generated by plot.py at 2018-06-18 22:29:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 84.41 Mbit/s
95th percentile per-packet one-way delay: 93.101 ms
Loss rate: 0.58%
-- Flow 1:
Average throughput: 84.41 Mbit/s
95th percentile per-packet one-way delay: 93.101 ms
Loss rate: 0.58%

Run 8: Report of TCP Cubic — Data Link

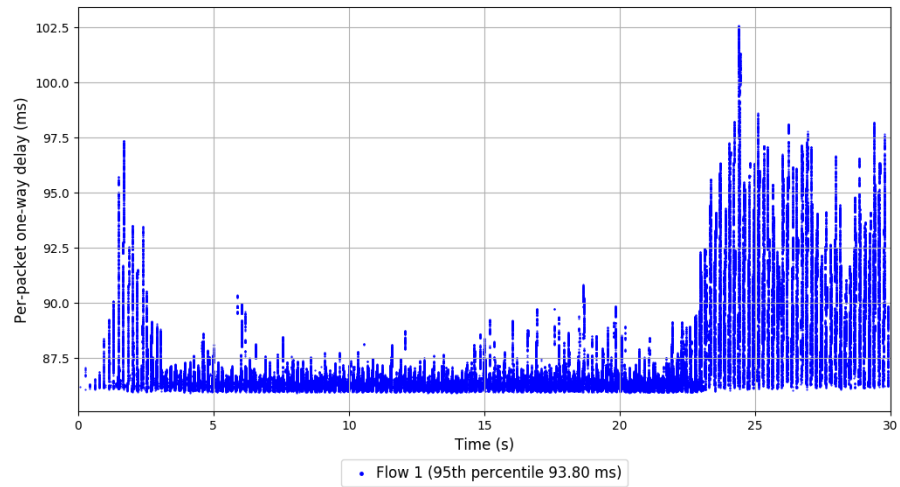
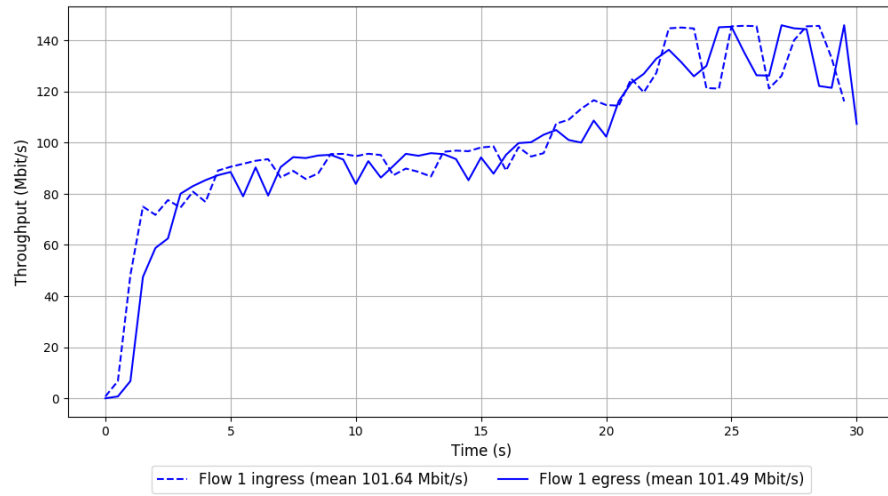


Run 9: Statistics of TCP Cubic

Start at: 2018-06-18 21:44:47
End at: 2018-06-18 21:45:17
Local clock offset: 0.052 ms
Remote clock offset: -0.626 ms

Below is generated by plot.py at 2018-06-18 22:29:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 101.49 Mbit/s
95th percentile per-packet one-way delay: 93.798 ms
Loss rate: 0.73%
-- Flow 1:
Average throughput: 101.49 Mbit/s
95th percentile per-packet one-way delay: 93.798 ms
Loss rate: 0.73%

Run 9: Report of TCP Cubic — Data Link



Run 10: Statistics of TCP Cubic

Start at: 2018-06-18 22:05:19

End at: 2018-06-18 22:05:49

Local clock offset: 0.07 ms

Remote clock offset: -0.724 ms

Below is generated by plot.py at 2018-06-18 22:29:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 89.01 Mbit/s

95th percentile per-packet one-way delay: 97.918 ms

Loss rate: 0.90%

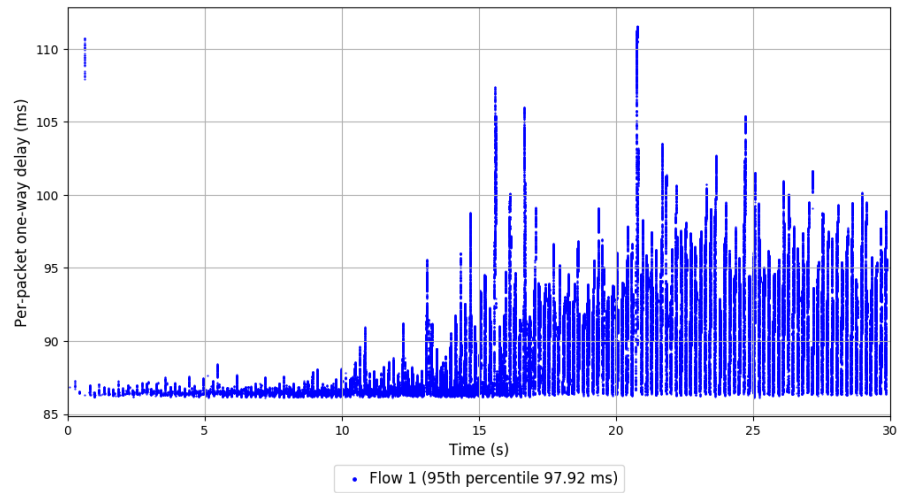
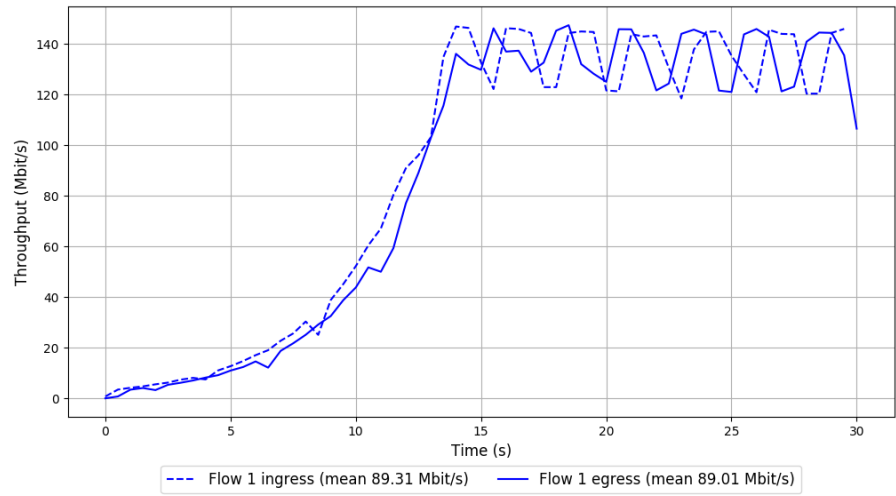
-- Flow 1:

Average throughput: 89.01 Mbit/s

95th percentile per-packet one-way delay: 97.918 ms

Loss rate: 0.90%

Run 10: Report of TCP Cubic — Data Link



Run 1: Statistics of FillP

Start at: 2018-06-18 19:01:55

End at: 2018-06-18 19:02:25

Local clock offset: 0.141 ms

Remote clock offset: 0.034 ms

Below is generated by plot.py at 2018-06-18 22:40:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 668.72 Mbit/s

95th percentile per-packet one-way delay: 253.107 ms

Loss rate: 0.55%

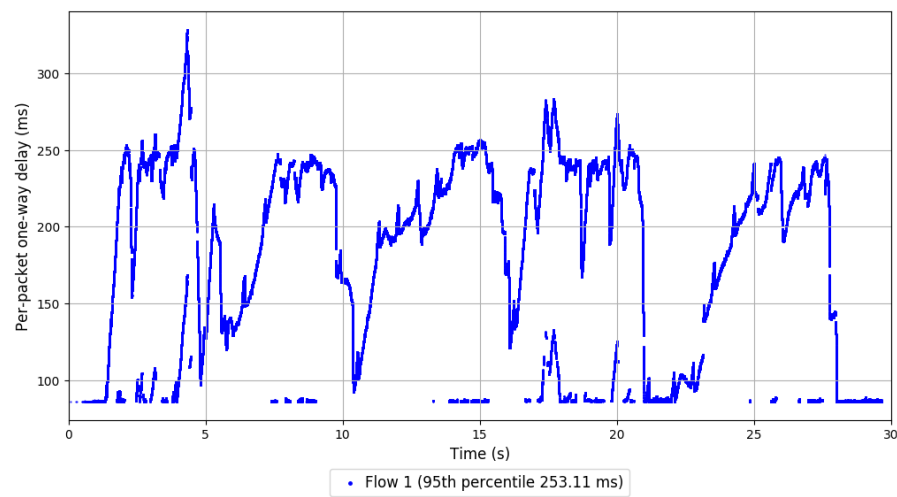
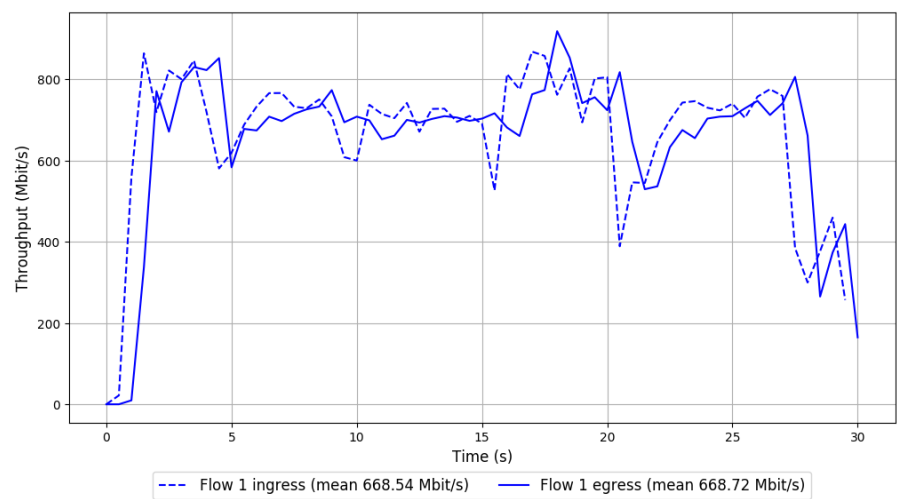
-- Flow 1:

Average throughput: 668.72 Mbit/s

95th percentile per-packet one-way delay: 253.107 ms

Loss rate: 0.55%

Run 1: Report of FillP — Data Link

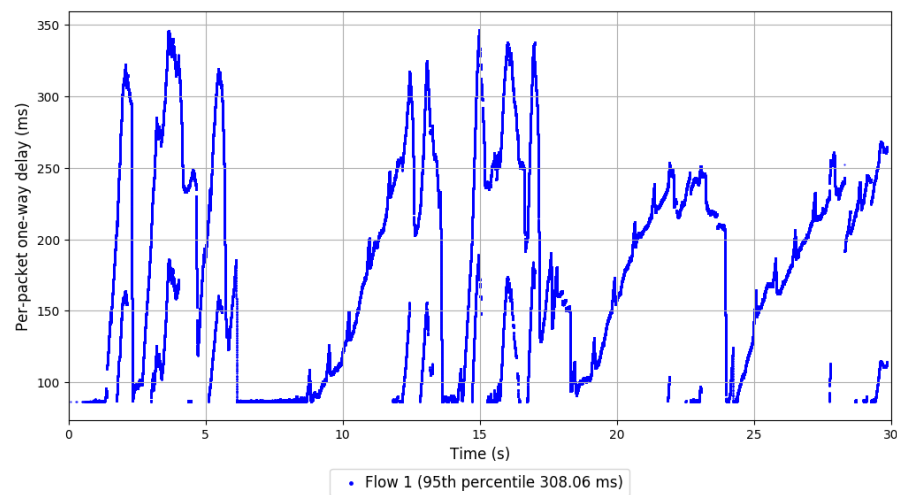
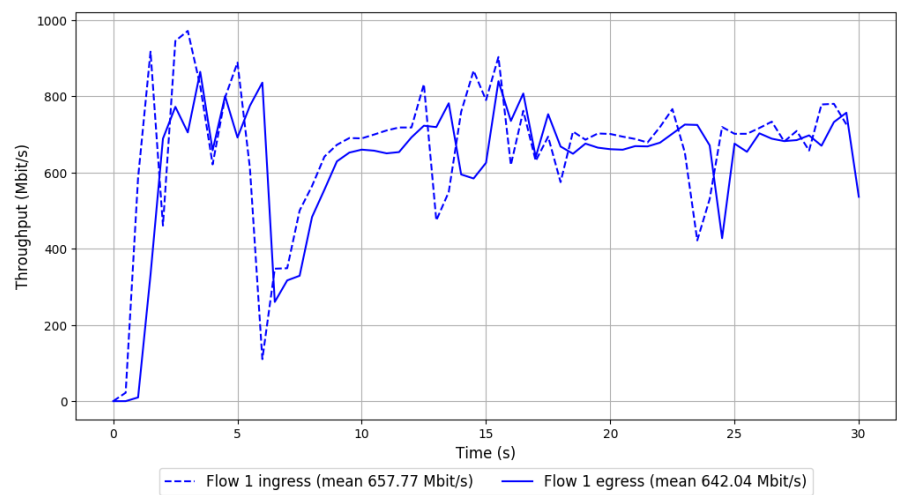


Run 2: Statistics of FillP

Start at: 2018-06-18 19:22:17
End at: 2018-06-18 19:22:47
Local clock offset: 0.108 ms
Remote clock offset: -0.124 ms

Below is generated by plot.py at 2018-06-18 22:40:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 642.04 Mbit/s
95th percentile per-packet one-way delay: 308.063 ms
Loss rate: 2.96%
-- Flow 1:
Average throughput: 642.04 Mbit/s
95th percentile per-packet one-way delay: 308.063 ms
Loss rate: 2.96%

Run 2: Report of FillP — Data Link

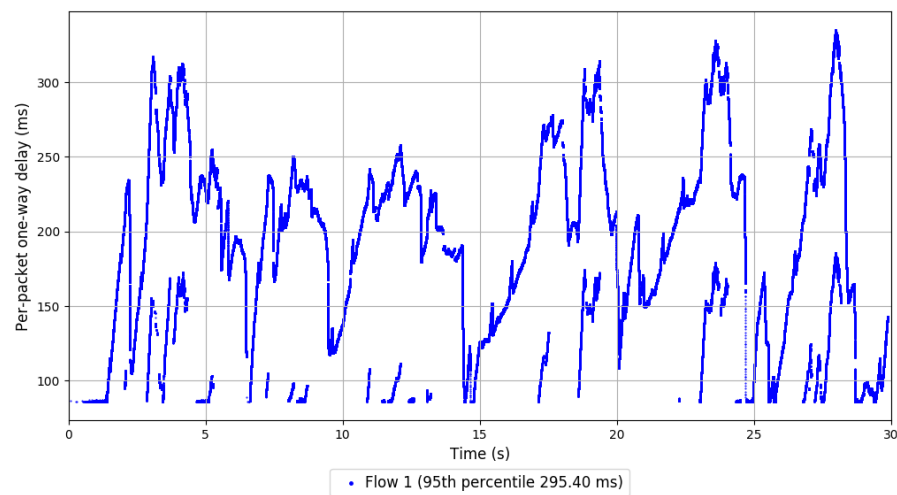
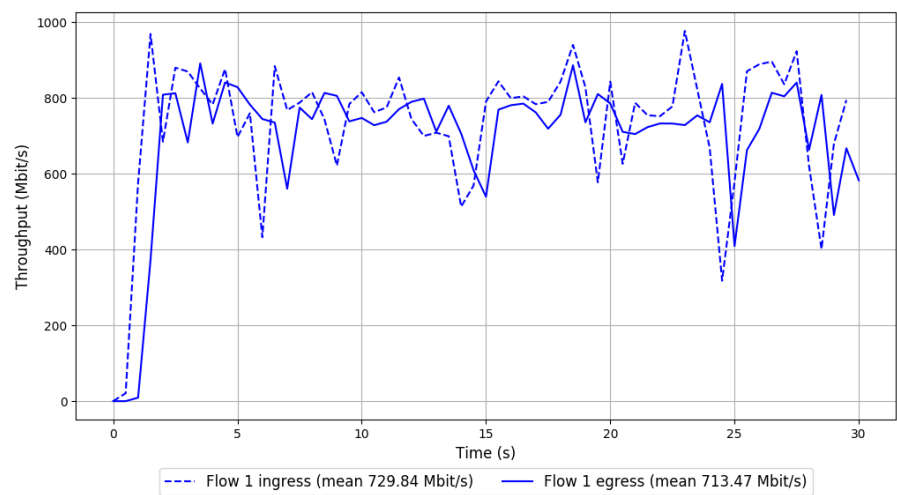


Run 3: Statistics of FillP

Start at: 2018-06-18 19:42:52
End at: 2018-06-18 19:43:22
Local clock offset: 0.078 ms
Remote clock offset: -0.126 ms

Below is generated by plot.py at 2018-06-18 22:41:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 713.47 Mbit/s
95th percentile per-packet one-way delay: 295.398 ms
Loss rate: 2.81%
-- Flow 1:
Average throughput: 713.47 Mbit/s
95th percentile per-packet one-way delay: 295.398 ms
Loss rate: 2.81%

Run 3: Report of FillP — Data Link

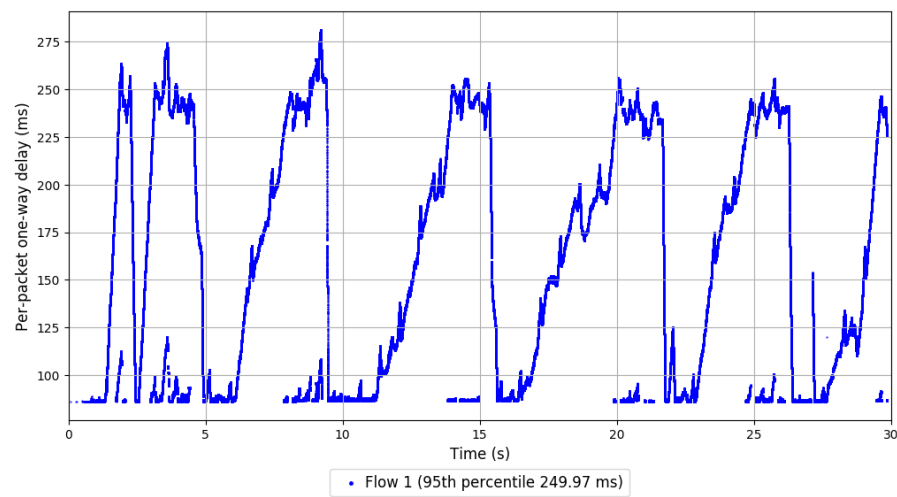
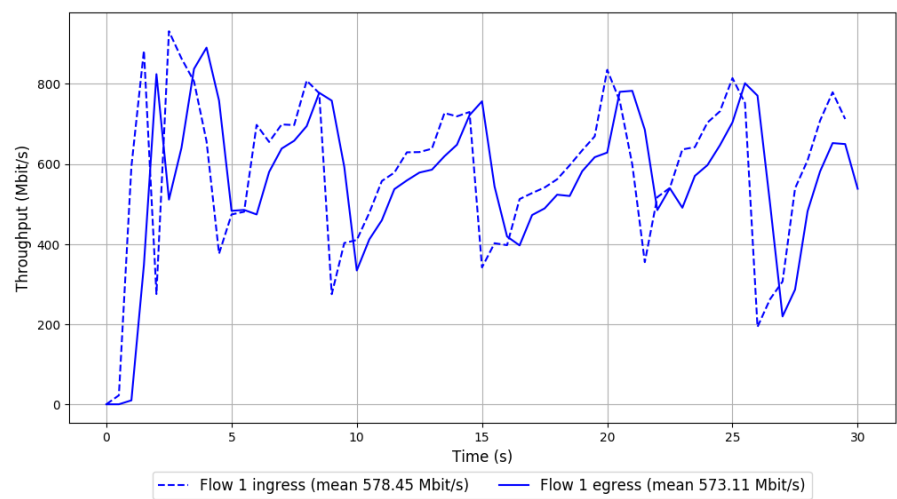


Run 4: Statistics of FillP

Start at: 2018-06-18 20:03:29
End at: 2018-06-18 20:03:59
Local clock offset: 0.163 ms
Remote clock offset: -0.301 ms

Below is generated by plot.py at 2018-06-18 22:41:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 573.11 Mbit/s
95th percentile per-packet one-way delay: 249.965 ms
Loss rate: 1.50%
-- Flow 1:
Average throughput: 573.11 Mbit/s
95th percentile per-packet one-way delay: 249.965 ms
Loss rate: 1.50%

Run 4: Report of FillP — Data Link

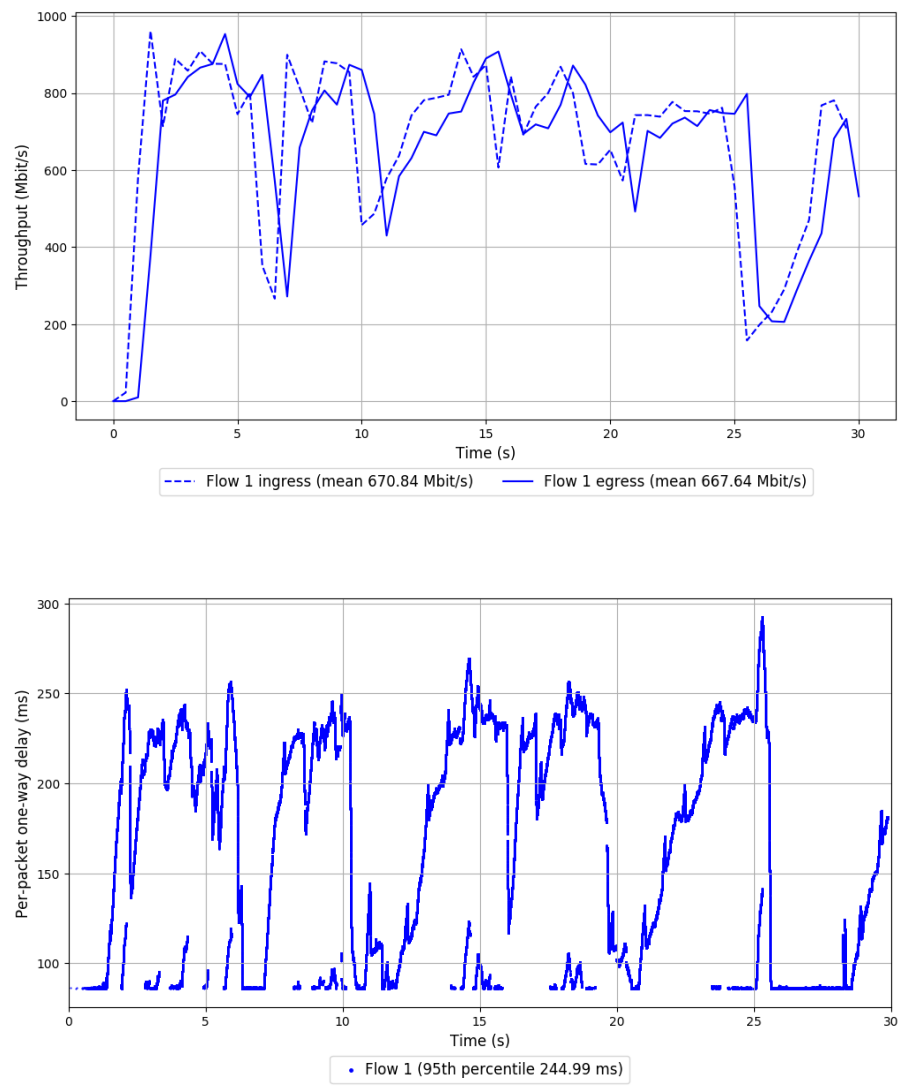


Run 5: Statistics of FillP

Start at: 2018-06-18 20:24:09
End at: 2018-06-18 20:24:39
Local clock offset: 0.122 ms
Remote clock offset: -0.385 ms

Below is generated by plot.py at 2018-06-18 22:41:31
Datalink statistics
-- Total of 1 flow:
Average throughput: 667.64 Mbit/s
95th percentile per-packet one-way delay: 244.986 ms
Loss rate: 1.05%
-- Flow 1:
Average throughput: 667.64 Mbit/s
95th percentile per-packet one-way delay: 244.986 ms
Loss rate: 1.05%

Run 5: Report of FillP — Data Link

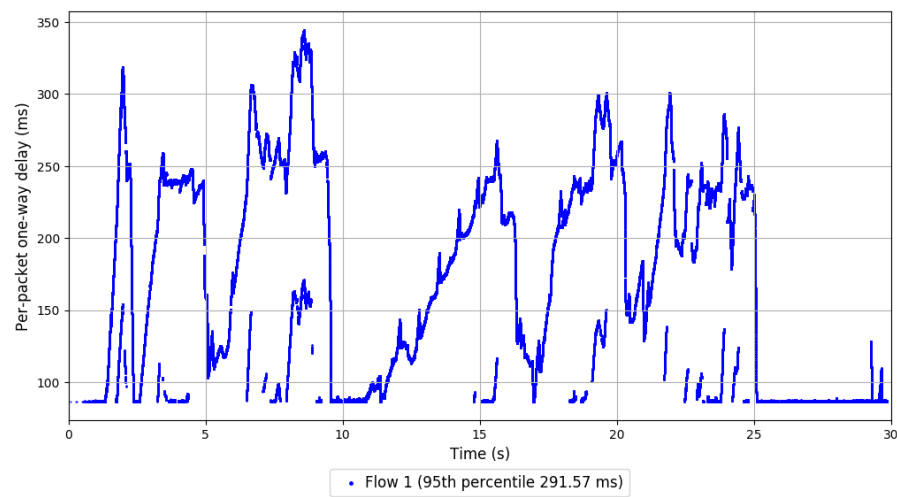
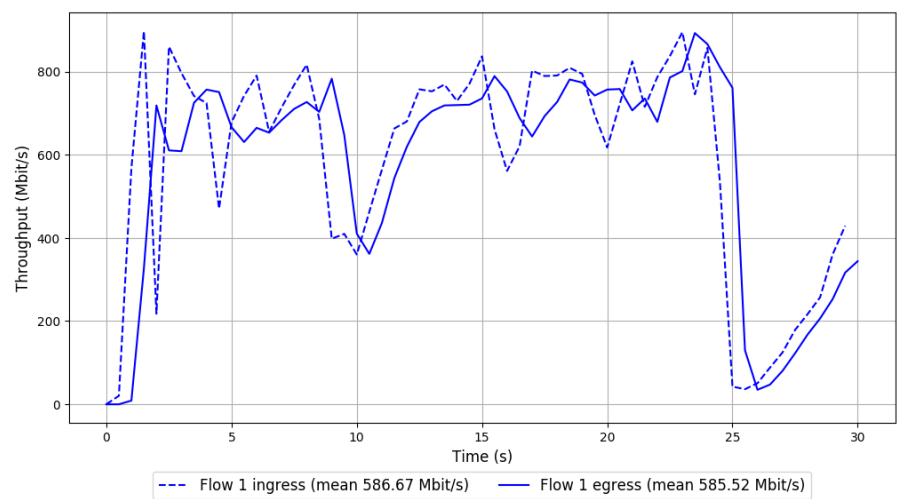


Run 6: Statistics of FillP

Start at: 2018-06-18 20:44:39
End at: 2018-06-18 20:45:09
Local clock offset: 0.161 ms
Remote clock offset: -0.407 ms

Below is generated by plot.py at 2018-06-18 22:41:31
Datalink statistics
-- Total of 1 flow:
Average throughput: 585.52 Mbit/s
95th percentile per-packet one-way delay: 291.568 ms
Loss rate: 0.77%
-- Flow 1:
Average throughput: 585.52 Mbit/s
95th percentile per-packet one-way delay: 291.568 ms
Loss rate: 0.77%

Run 6: Report of FillP — Data Link

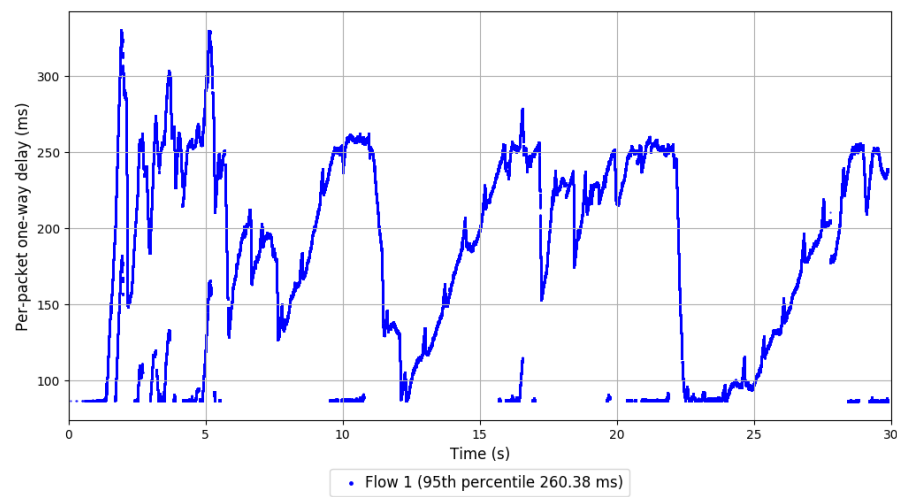
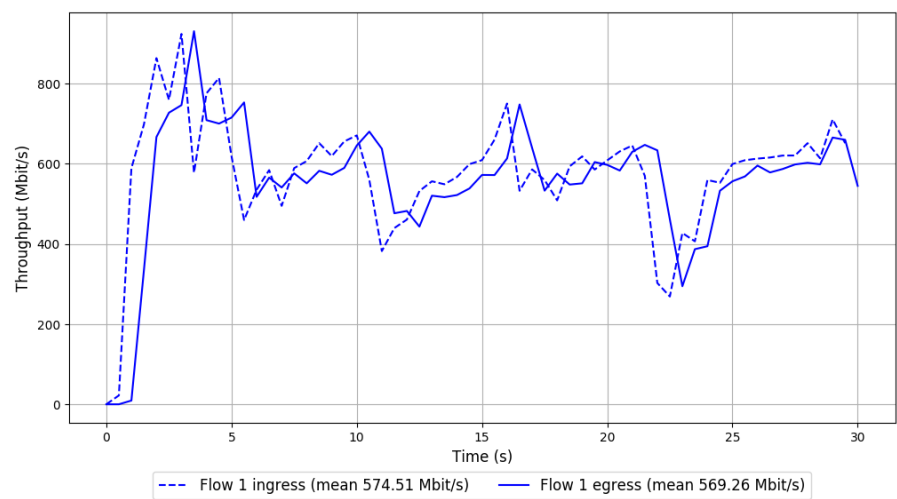


Run 7: Statistics of FillP

Start at: 2018-06-18 21:04:53
End at: 2018-06-18 21:05:23
Local clock offset: 0.229 ms
Remote clock offset: -0.484 ms

Below is generated by plot.py at 2018-06-18 22:41:31
Datalink statistics
-- Total of 1 flow:
Average throughput: 569.26 Mbit/s
95th percentile per-packet one-way delay: 260.383 ms
Loss rate: 1.49%
-- Flow 1:
Average throughput: 569.26 Mbit/s
95th percentile per-packet one-way delay: 260.383 ms
Loss rate: 1.49%

Run 7: Report of FillP — Data Link

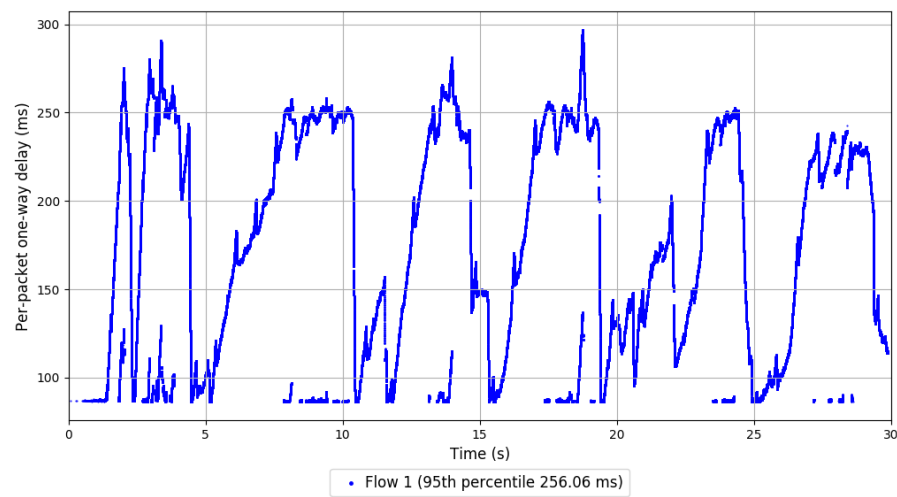
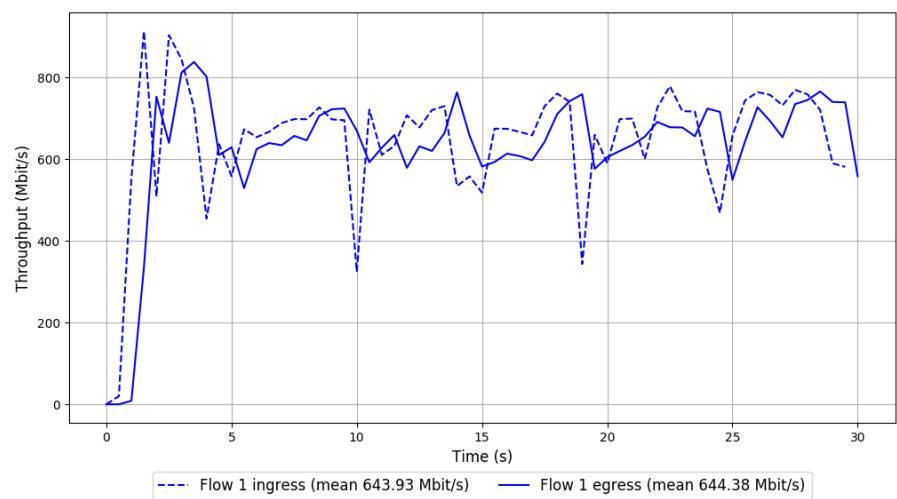


Run 8: Statistics of FillP

Start at: 2018-06-18 21:25:25
End at: 2018-06-18 21:25:55
Local clock offset: 0.271 ms
Remote clock offset: -0.562 ms

Below is generated by plot.py at 2018-06-18 22:42:47
Datalink statistics
-- Total of 1 flow:
Average throughput: 644.38 Mbit/s
95th percentile per-packet one-way delay: 256.062 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 644.38 Mbit/s
95th percentile per-packet one-way delay: 256.062 ms
Loss rate: 0.51%

Run 8: Report of FillP — Data Link

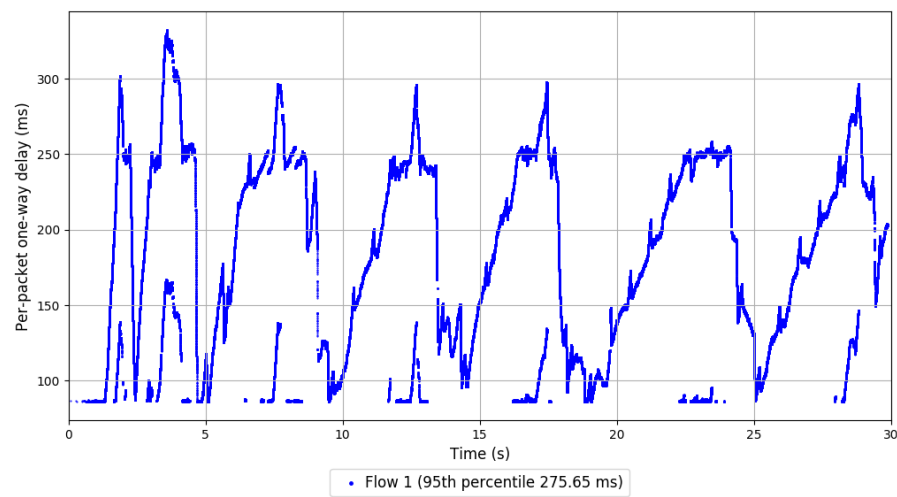
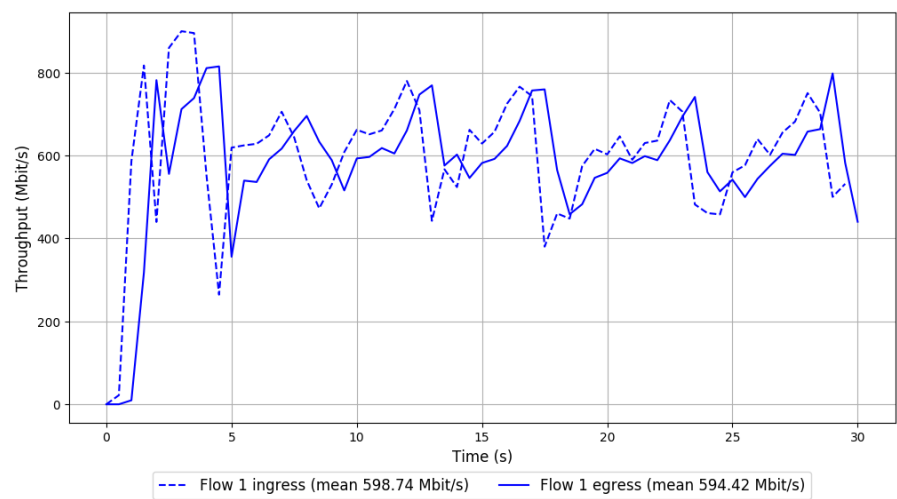


Run 9: Statistics of FillP

Start at: 2018-06-18 21:45:59
End at: 2018-06-18 21:46:29
Local clock offset: 0.062 ms
Remote clock offset: -0.584 ms

Below is generated by plot.py at 2018-06-18 22:52:04
Datalink statistics
-- Total of 1 flow:
Average throughput: 594.42 Mbit/s
95th percentile per-packet one-way delay: 275.647 ms
Loss rate: 1.29%
-- Flow 1:
Average throughput: 594.42 Mbit/s
95th percentile per-packet one-way delay: 275.647 ms
Loss rate: 1.29%

Run 9: Report of FillP — Data Link

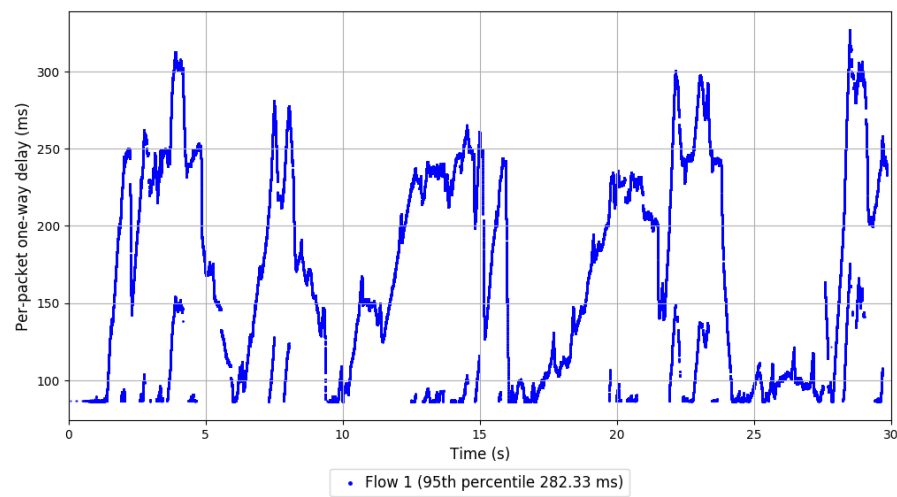
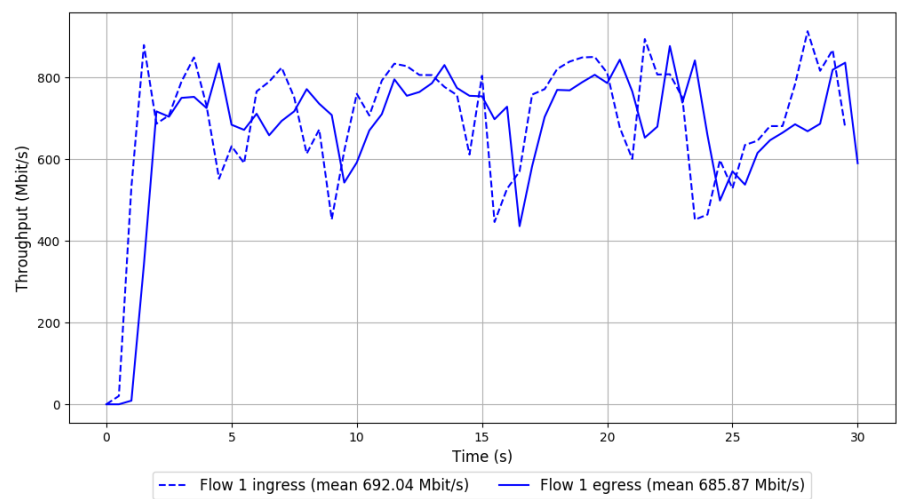


Run 10: Statistics of FillP

Start at: 2018-06-18 22:06:30
End at: 2018-06-18 22:07:00
Local clock offset: 0.203 ms
Remote clock offset: -0.718 ms

Below is generated by plot.py at 2018-06-18 22:53:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 685.87 Mbit/s
95th percentile per-packet one-way delay: 282.330 ms
Loss rate: 1.46%
-- Flow 1:
Average throughput: 685.87 Mbit/s
95th percentile per-packet one-way delay: 282.330 ms
Loss rate: 1.46%

Run 10: Report of FillP — Data Link



Run 1: Statistics of Indigo

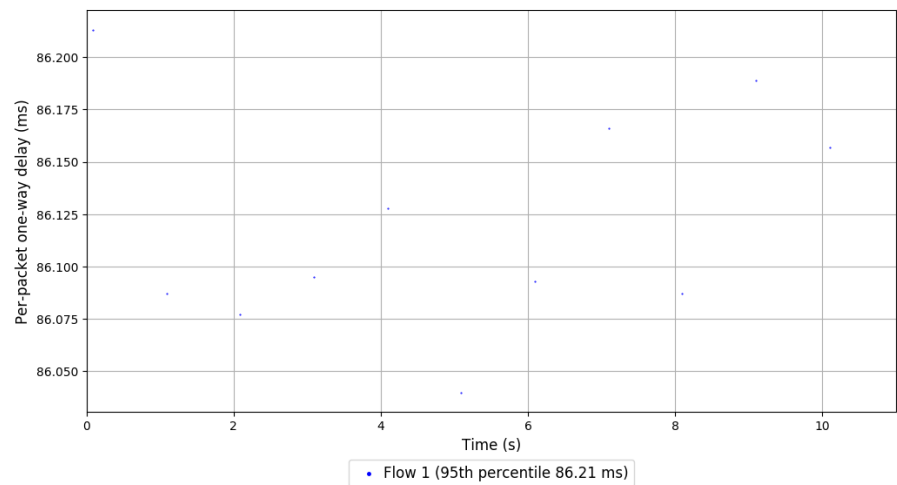
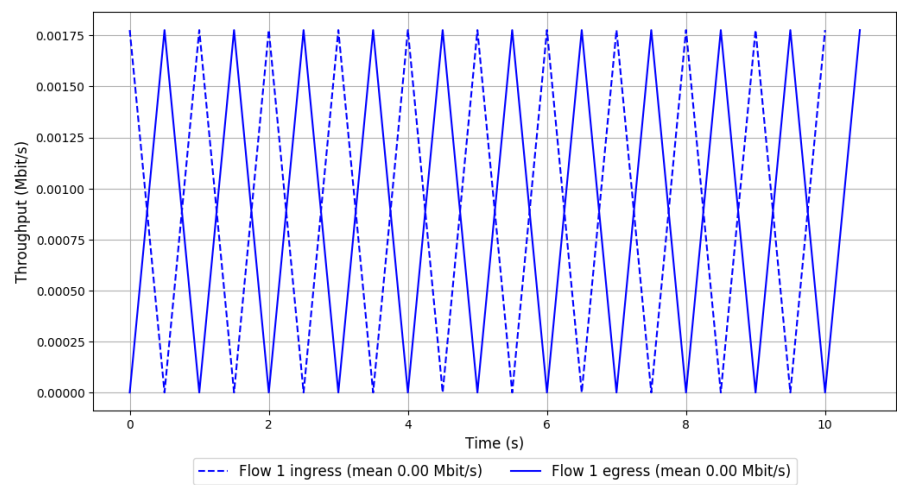
Start at: 2018-06-18 18:53:29

End at: 2018-06-18 18:53:59

Local clock offset: 0.059 ms

Remote clock offset: 0.01 ms

Run 1: Report of Indigo — Data Link

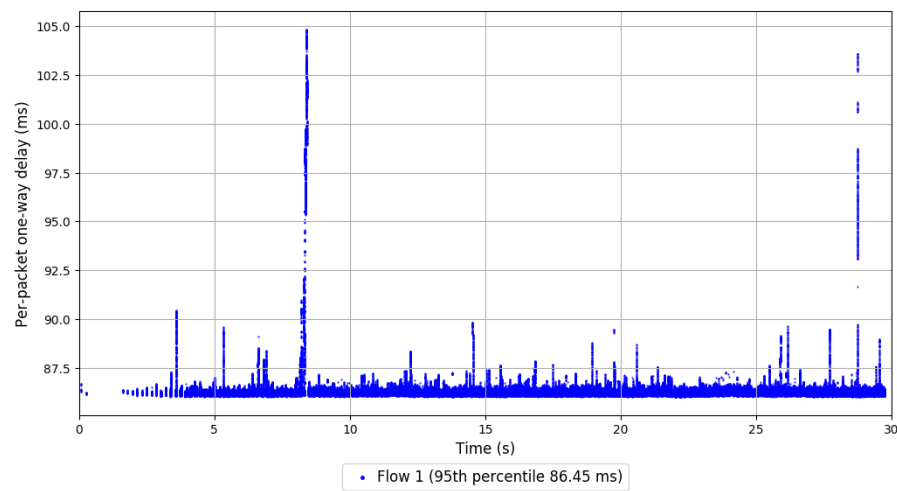
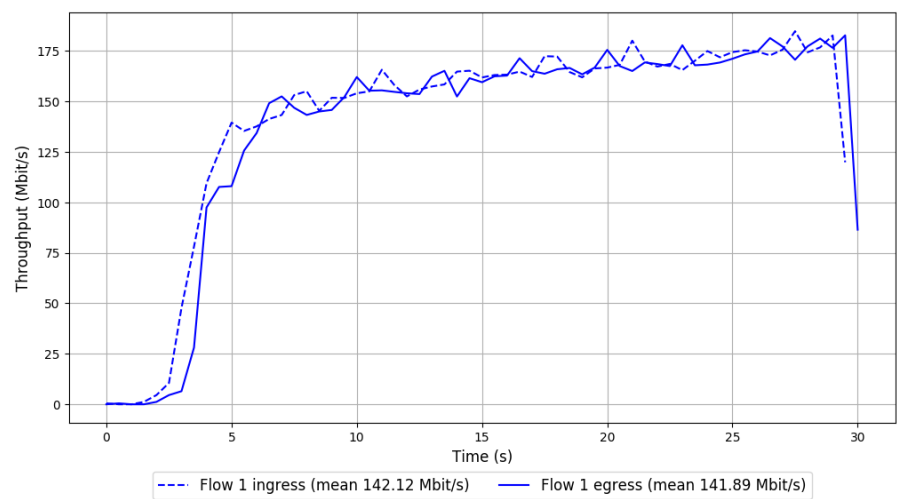


Run 2: Statistics of Indigo

Start at: 2018-06-18 19:13:38
End at: 2018-06-18 19:14:08
Local clock offset: 0.085 ms
Remote clock offset: -0.049 ms

Below is generated by plot.py at 2018-06-18 22:53:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 141.89 Mbit/s
95th percentile per-packet one-way delay: 86.450 ms
Loss rate: 0.74%
-- Flow 1:
Average throughput: 141.89 Mbit/s
95th percentile per-packet one-way delay: 86.450 ms
Loss rate: 0.74%

Run 2: Report of Indigo — Data Link

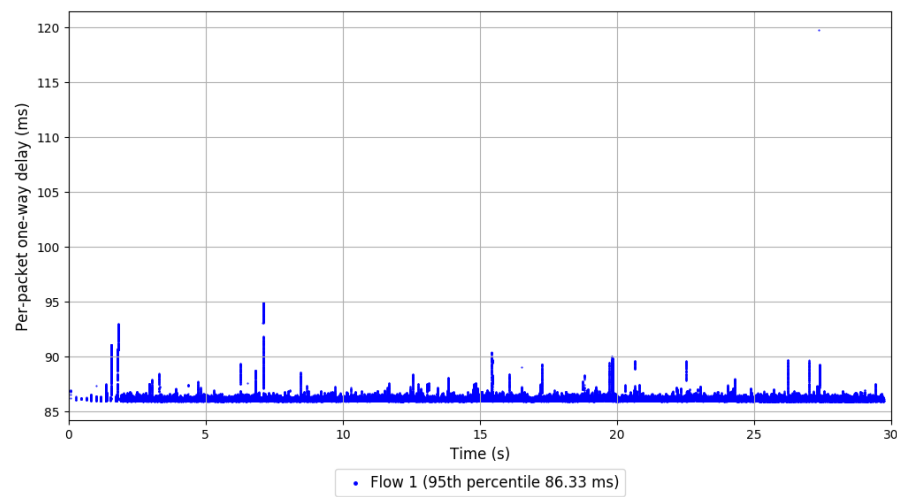
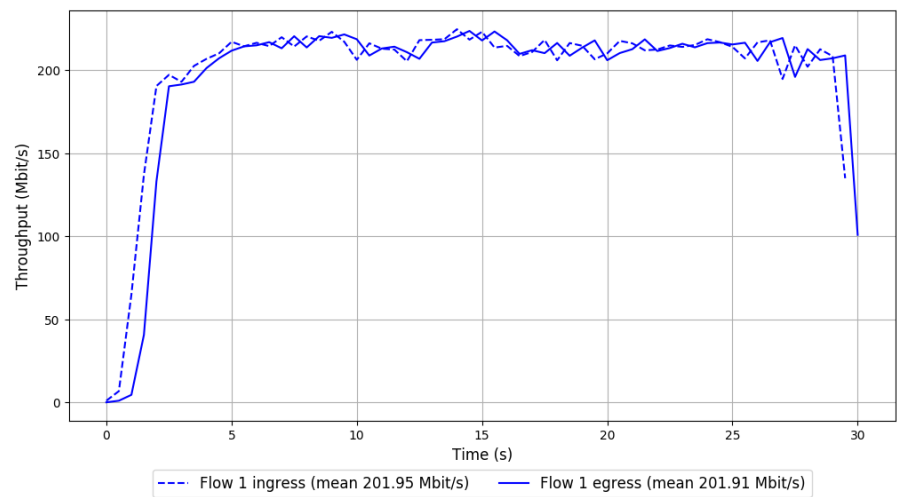


Run 3: Statistics of Indigo

Start at: 2018-06-18 19:34:12
End at: 2018-06-18 19:34:42
Local clock offset: 0.057 ms
Remote clock offset: -0.037 ms

Below is generated by plot.py at 2018-06-18 22:53:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 201.91 Mbit/s
95th percentile per-packet one-way delay: 86.328 ms
Loss rate: 0.60%
-- Flow 1:
Average throughput: 201.91 Mbit/s
95th percentile per-packet one-way delay: 86.328 ms
Loss rate: 0.60%

Run 3: Report of Indigo — Data Link

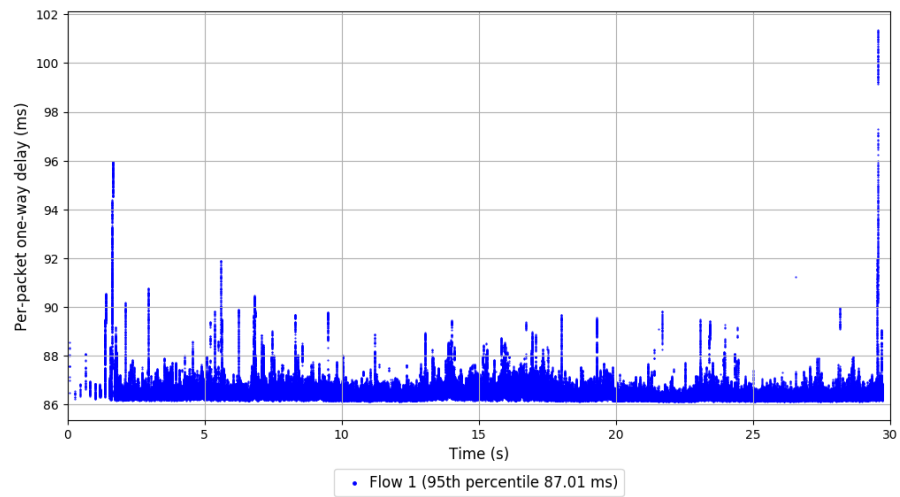
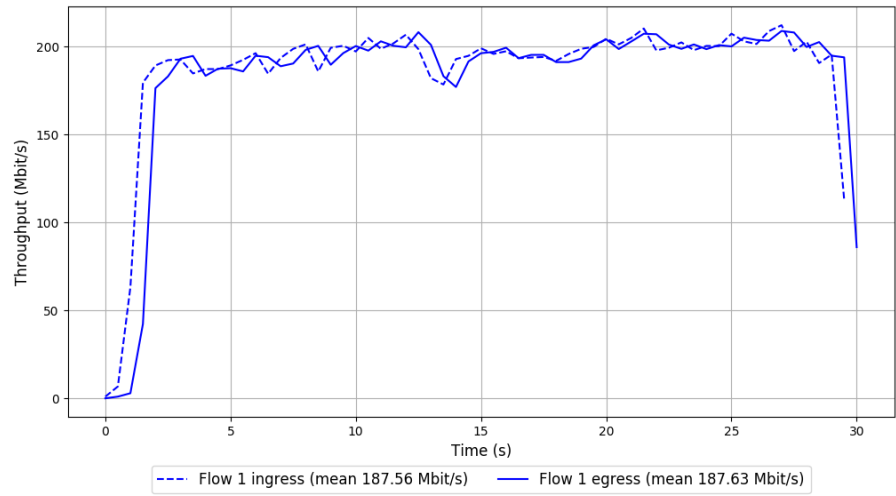


Run 4: Statistics of Indigo

Start at: 2018-06-18 19:54:48
End at: 2018-06-18 19:55:18
Local clock offset: 0.204 ms
Remote clock offset: -0.274 ms

Below is generated by plot.py at 2018-06-18 22:53:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 187.63 Mbit/s
95th percentile per-packet one-way delay: 87.009 ms
Loss rate: 0.54%
-- Flow 1:
Average throughput: 187.63 Mbit/s
95th percentile per-packet one-way delay: 87.009 ms
Loss rate: 0.54%

Run 4: Report of Indigo — Data Link

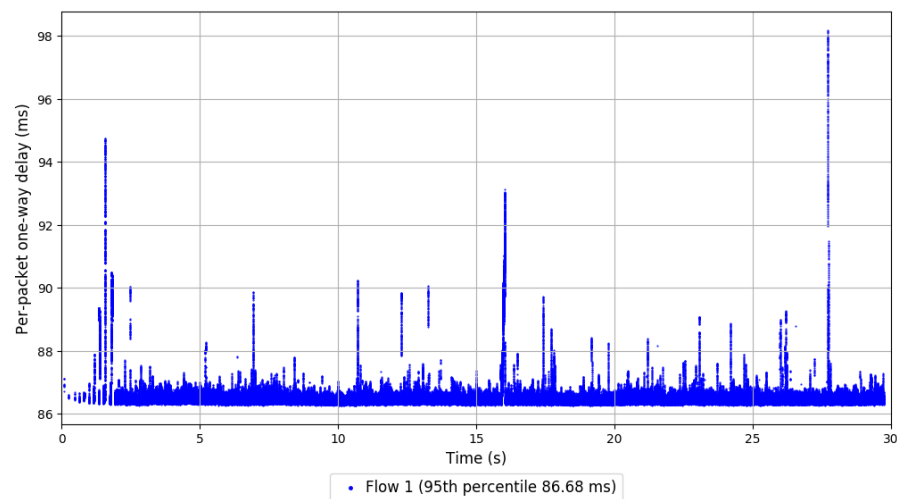
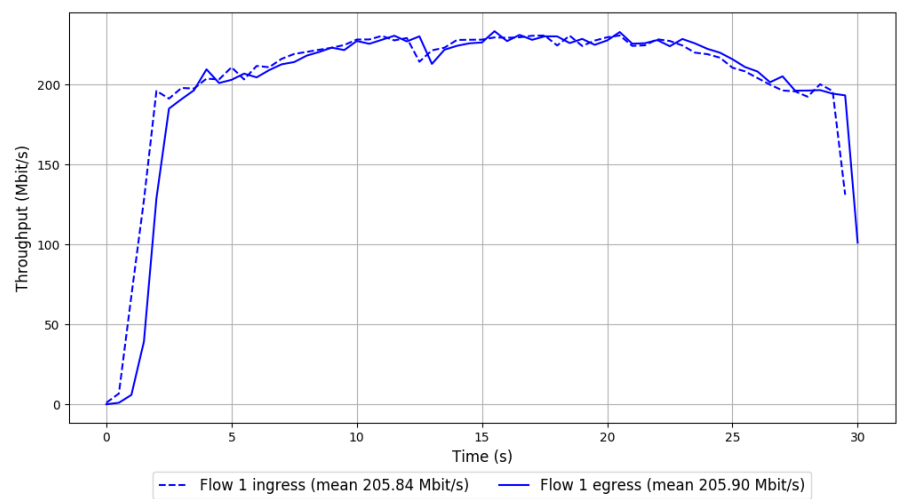


Run 5: Statistics of Indigo

Start at: 2018-06-18 20:15:26
End at: 2018-06-18 20:15:56
Local clock offset: 0.304 ms
Remote clock offset: -0.335 ms

Below is generated by plot.py at 2018-06-18 22:53:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 205.90 Mbit/s
95th percentile per-packet one-way delay: 86.681 ms
Loss rate: 0.55%
-- Flow 1:
Average throughput: 205.90 Mbit/s
95th percentile per-packet one-way delay: 86.681 ms
Loss rate: 0.55%

Run 5: Report of Indigo — Data Link



Run 6: Statistics of Indigo

Start at: 2018-06-18 20:35:55

End at: 2018-06-18 20:36:25

Local clock offset: 0.152 ms

Remote clock offset: -0.328 ms

Below is generated by plot.py at 2018-06-18 22:53:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 188.97 Mbit/s

95th percentile per-packet one-way delay: 86.507 ms

Loss rate: 0.61%

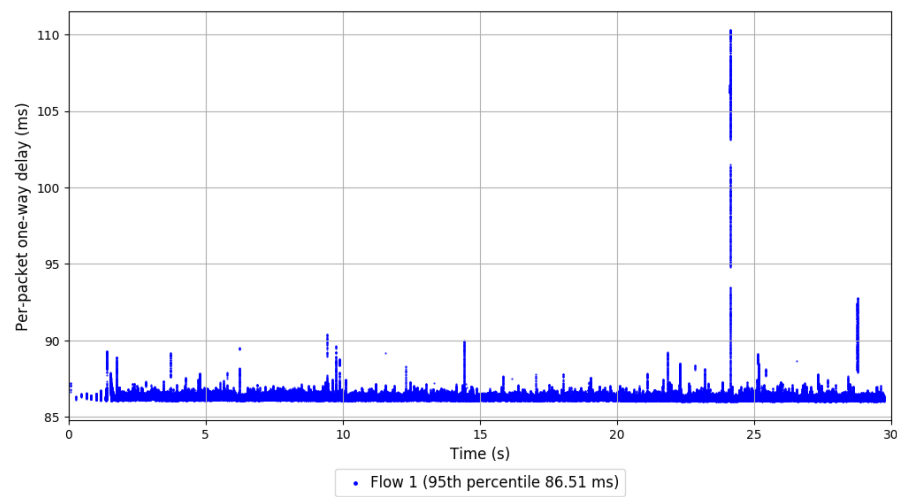
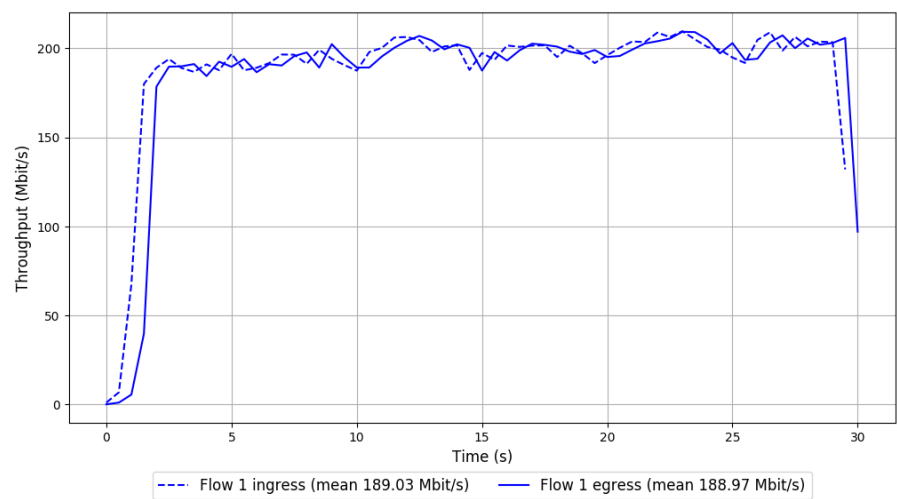
-- Flow 1:

Average throughput: 188.97 Mbit/s

95th percentile per-packet one-way delay: 86.507 ms

Loss rate: 0.61%

Run 6: Report of Indigo — Data Link

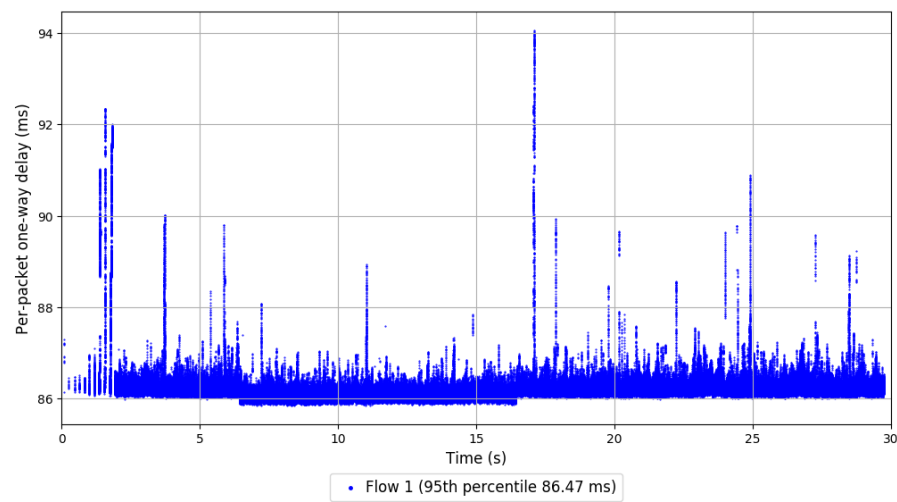
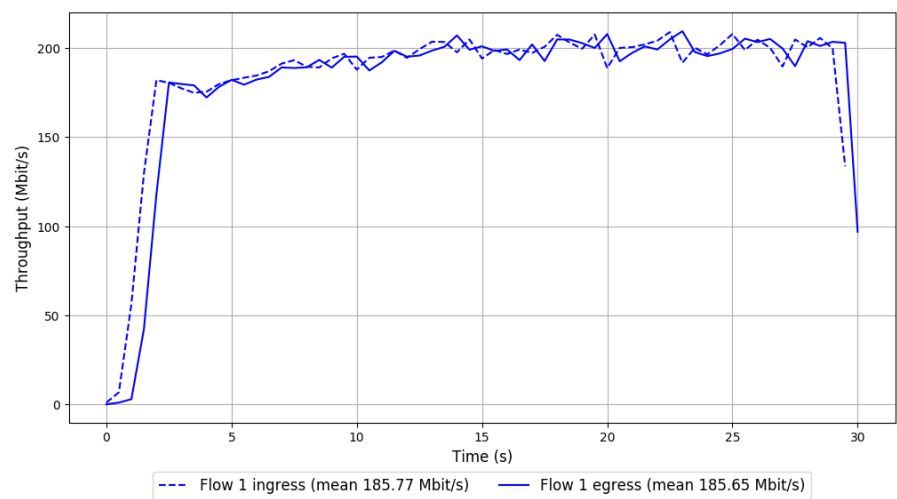


Run 7: Statistics of Indigo

Start at: 2018-06-18 20:56:11
End at: 2018-06-18 20:56:41
Local clock offset: 0.132 ms
Remote clock offset: -0.454 ms

Below is generated by plot.py at 2018-06-18 22:53:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 185.65 Mbit/s
95th percentile per-packet one-way delay: 86.473 ms
Loss rate: 0.63%
-- Flow 1:
Average throughput: 185.65 Mbit/s
95th percentile per-packet one-way delay: 86.473 ms
Loss rate: 0.63%

Run 7: Report of Indigo — Data Link

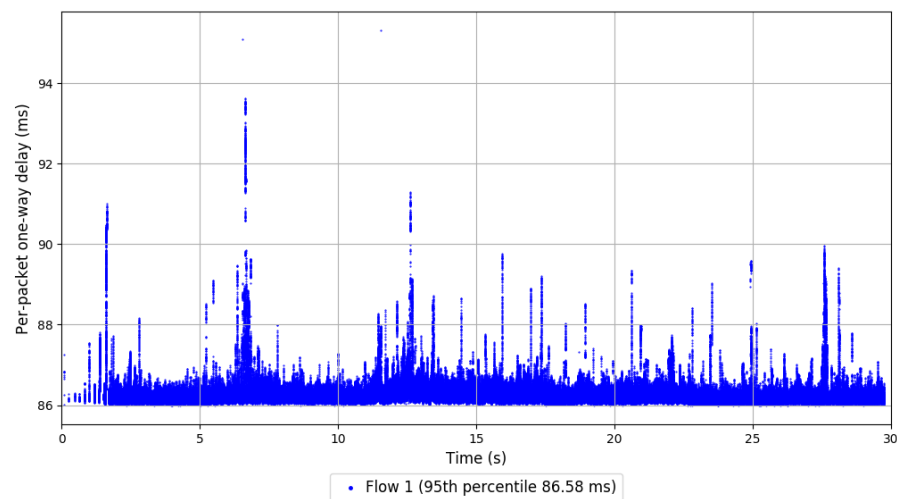
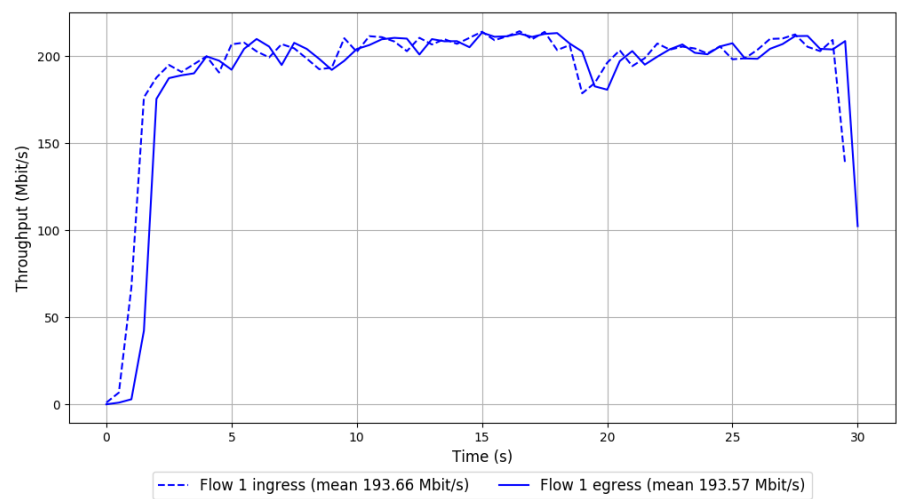


Run 8: Statistics of Indigo

Start at: 2018-06-18 21:16:42
End at: 2018-06-18 21:17:12
Local clock offset: 0.153 ms
Remote clock offset: -0.495 ms

Below is generated by plot.py at 2018-06-18 22:53:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 193.57 Mbit/s
95th percentile per-packet one-way delay: 86.581 ms
Loss rate: 0.62%
-- Flow 1:
Average throughput: 193.57 Mbit/s
95th percentile per-packet one-way delay: 86.581 ms
Loss rate: 0.62%

Run 8: Report of Indigo — Data Link

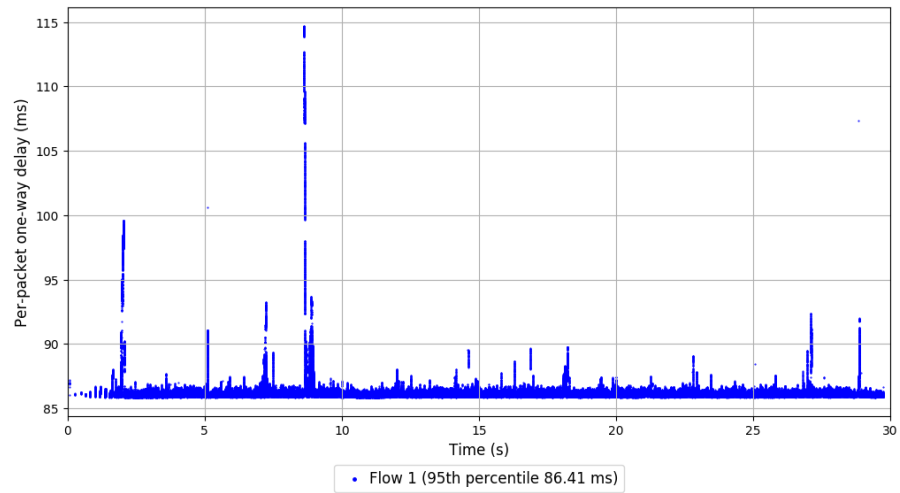
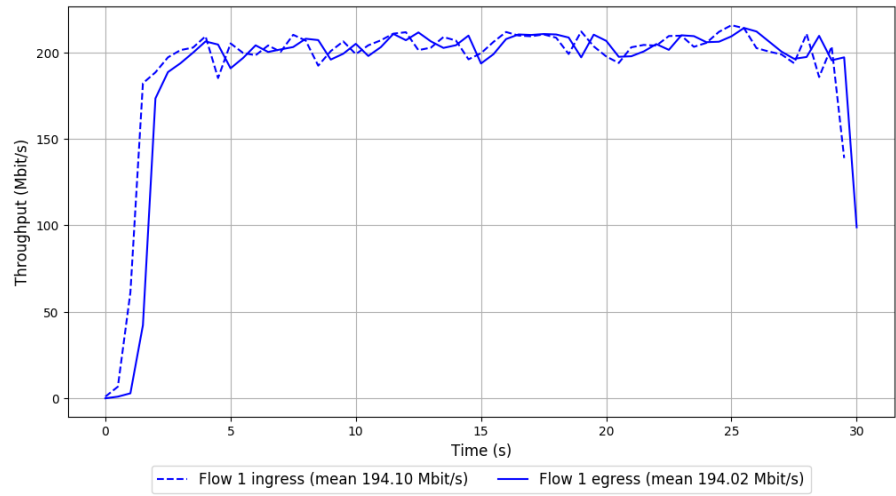


Run 9: Statistics of Indigo

Start at: 2018-06-18 21:37:10
End at: 2018-06-18 21:37:40
Local clock offset: -0.085 ms
Remote clock offset: -0.634 ms

Below is generated by plot.py at 2018-06-18 22:53:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 194.02 Mbit/s
95th percentile per-packet one-way delay: 86.413 ms
Loss rate: 0.62%
-- Flow 1:
Average throughput: 194.02 Mbit/s
95th percentile per-packet one-way delay: 86.413 ms
Loss rate: 0.62%

Run 9: Report of Indigo — Data Link



Run 10: Statistics of Indigo

Start at: 2018-06-18 21:57:47

End at: 2018-06-18 21:58:17

Local clock offset: 0.043 ms

Remote clock offset: -0.68 ms

Below is generated by plot.py at 2018-06-18 22:53:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 187.92 Mbit/s

95th percentile per-packet one-way delay: 86.546 ms

Loss rate: 0.61%

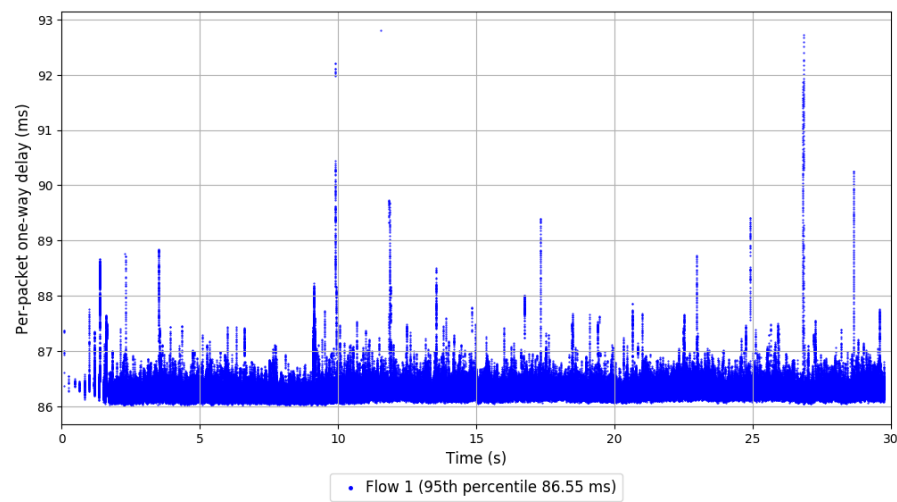
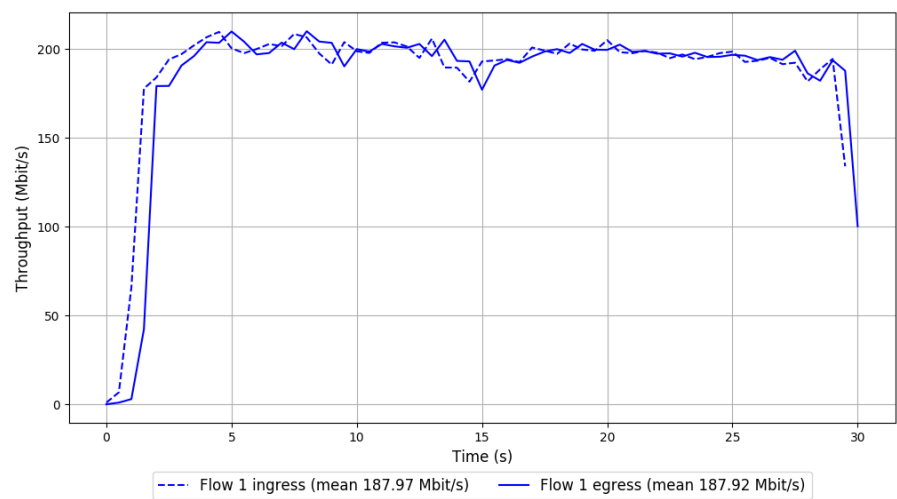
-- Flow 1:

Average throughput: 187.92 Mbit/s

95th percentile per-packet one-way delay: 86.546 ms

Loss rate: 0.61%

Run 10: Report of Indigo — Data Link

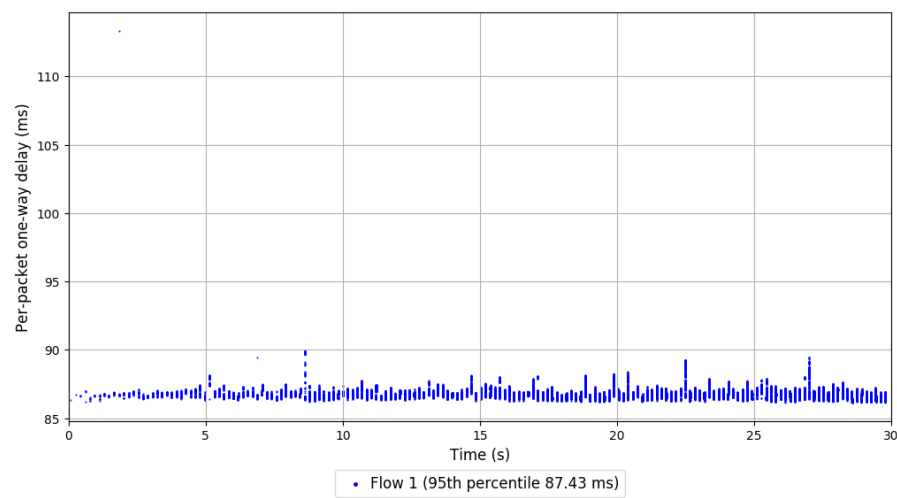
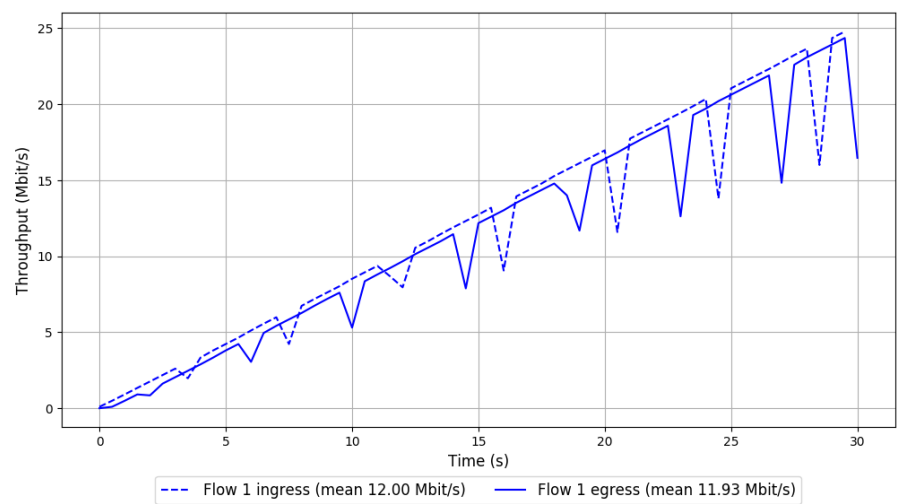


Run 1: Statistics of LEDBAT

Start at: 2018-06-18 18:44:50
End at: 2018-06-18 18:45:20
Local clock offset: 0.121 ms
Remote clock offset: -0.021 ms

Below is generated by plot.py at 2018-06-18 22:53:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 11.93 Mbit/s
95th percentile per-packet one-way delay: 87.431 ms
Loss rate: 1.16%
-- Flow 1:
Average throughput: 11.93 Mbit/s
95th percentile per-packet one-way delay: 87.431 ms
Loss rate: 1.16%

Run 1: Report of LEDBAT — Data Link



Run 2: Statistics of LEDBAT

Start at: 2018-06-18 19:04:58

End at: 2018-06-18 19:05:29

Local clock offset: -0.09 ms

Remote clock offset: 0.018 ms

Below is generated by plot.py at 2018-06-18 22:53:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 6.34 Mbit/s

95th percentile per-packet one-way delay: 87.150 ms

Loss rate: 1.58%

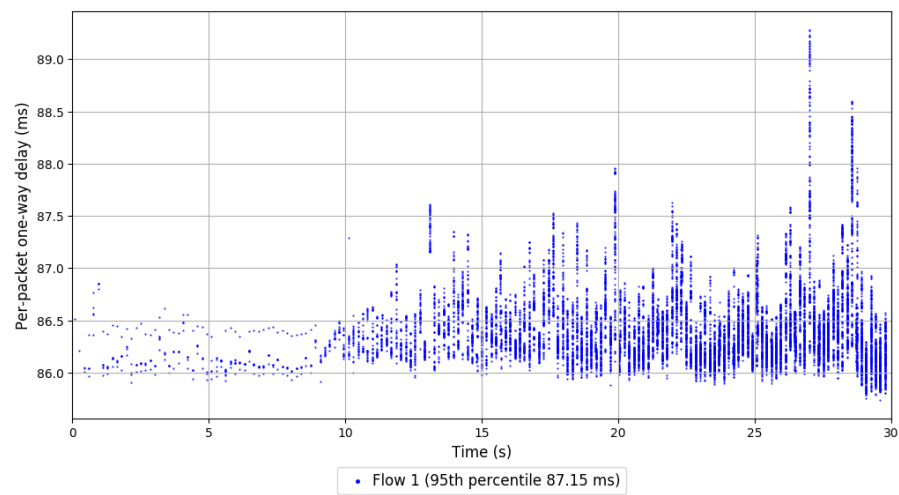
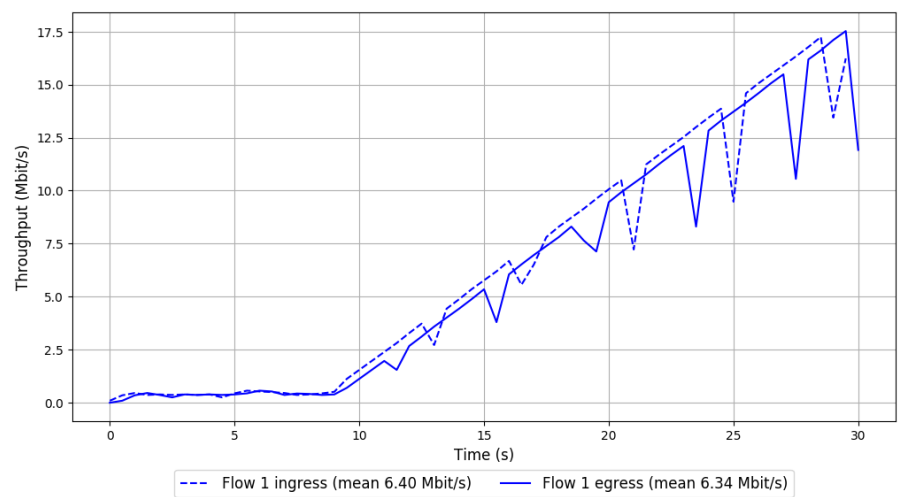
-- Flow 1:

Average throughput: 6.34 Mbit/s

95th percentile per-packet one-way delay: 87.150 ms

Loss rate: 1.58%

Run 2: Report of LEDBAT — Data Link

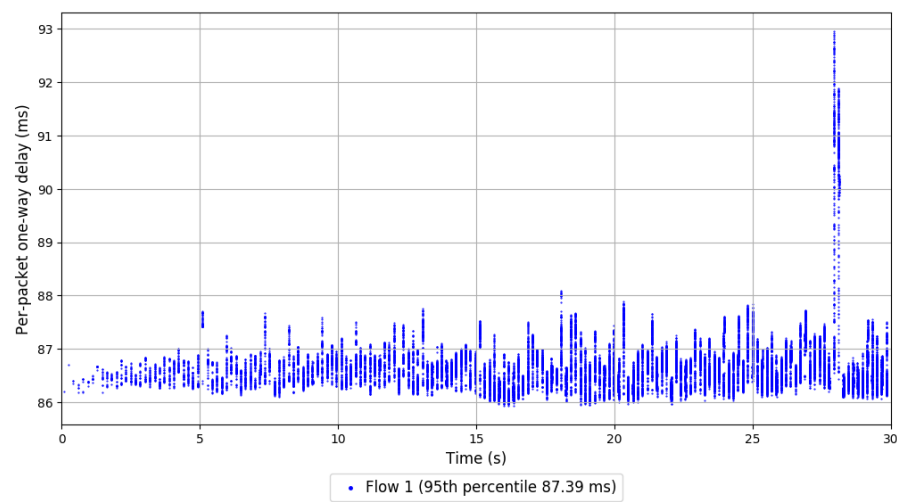
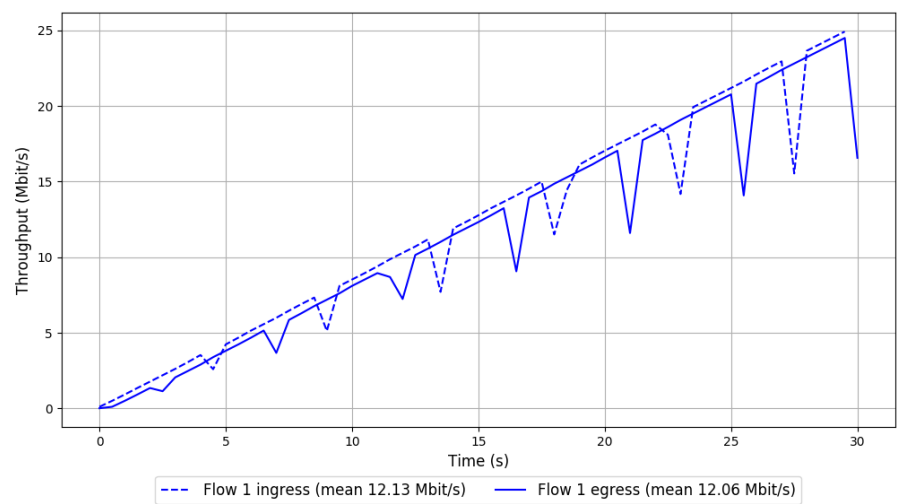


Run 3: Statistics of LEDBAT

Start at: 2018-06-18 19:25:23
End at: 2018-06-18 19:25:53
Local clock offset: 0.083 ms
Remote clock offset: -0.119 ms

Below is generated by plot.py at 2018-06-18 22:53:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 12.06 Mbit/s
95th percentile per-packet one-way delay: 87.389 ms
Loss rate: 1.15%
-- Flow 1:
Average throughput: 12.06 Mbit/s
95th percentile per-packet one-way delay: 87.389 ms
Loss rate: 1.15%

Run 3: Report of LEDBAT — Data Link

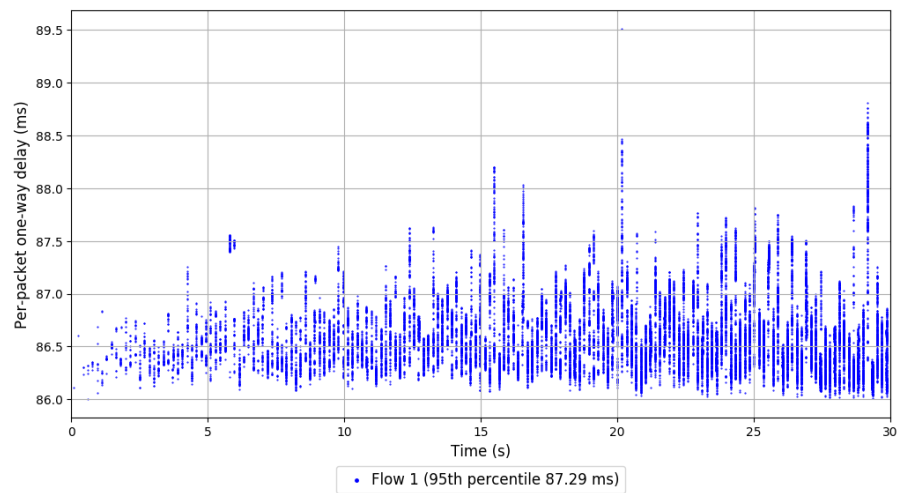
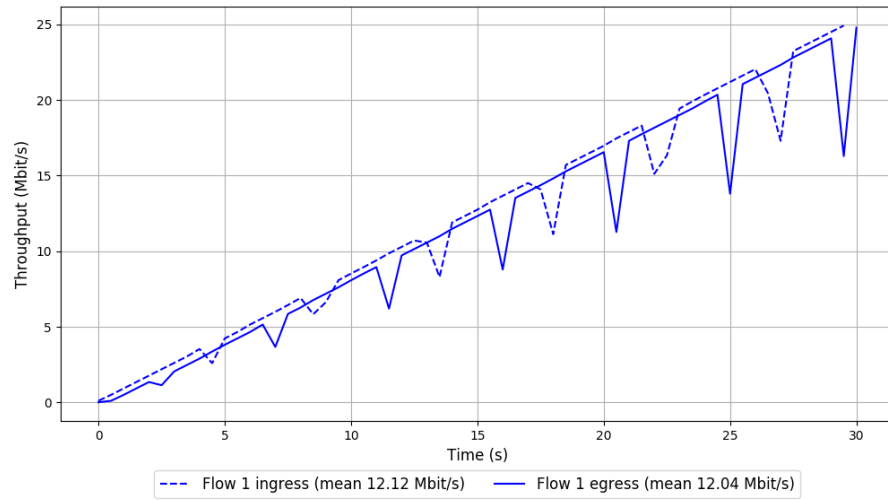


Run 4: Statistics of LEDBAT

Start at: 2018-06-18 19:45:56
End at: 2018-06-18 19:46:26
Local clock offset: 0.09 ms
Remote clock offset: -0.174 ms

Below is generated by plot.py at 2018-06-18 22:53:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 12.04 Mbit/s
95th percentile per-packet one-way delay: 87.292 ms
Loss rate: 1.15%
-- Flow 1:
Average throughput: 12.04 Mbit/s
95th percentile per-packet one-way delay: 87.292 ms
Loss rate: 1.15%

Run 4: Report of LEDBAT — Data Link

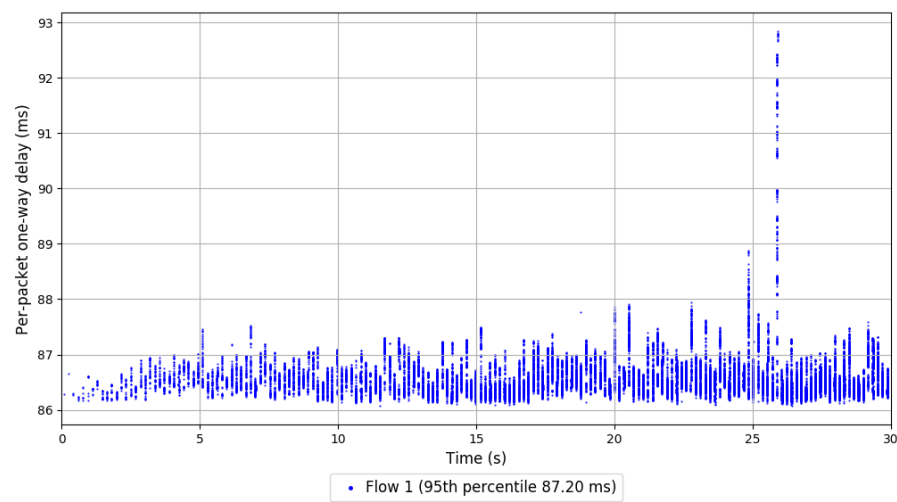
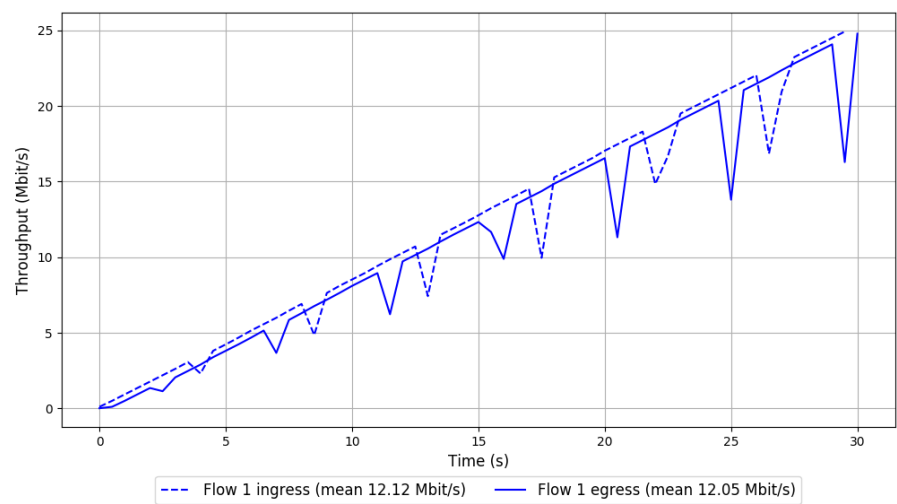


Run 5: Statistics of LEDBAT

Start at: 2018-06-18 20:06:34
End at: 2018-06-18 20:07:04
Local clock offset: 0.158 ms
Remote clock offset: -0.321 ms

Below is generated by plot.py at 2018-06-18 22:53:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 12.05 Mbit/s
95th percentile per-packet one-way delay: 87.196 ms
Loss rate: 1.15%
-- Flow 1:
Average throughput: 12.05 Mbit/s
95th percentile per-packet one-way delay: 87.196 ms
Loss rate: 1.15%

Run 5: Report of LEDBAT — Data Link

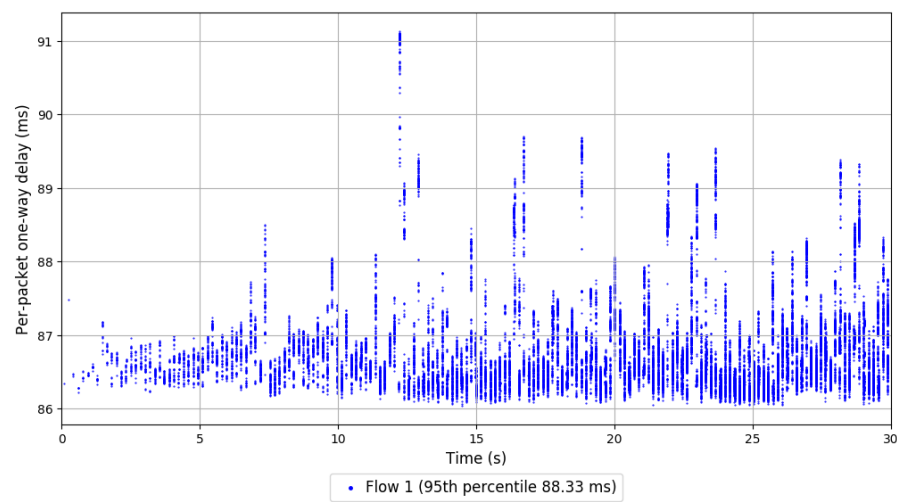
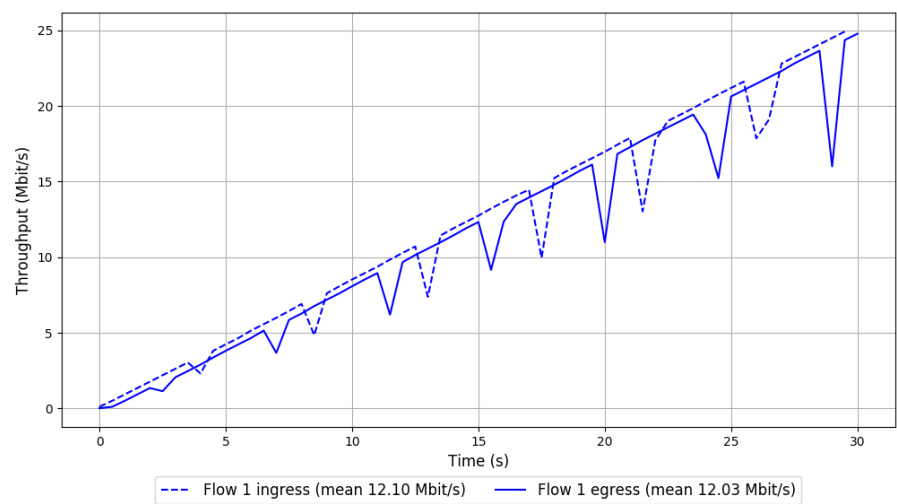


Run 6: Statistics of LEDBAT

Start at: 2018-06-18 20:27:08
End at: 2018-06-18 20:27:38
Local clock offset: 0.089 ms
Remote clock offset: -0.371 ms

Below is generated by plot.py at 2018-06-18 22:53:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 12.03 Mbit/s
95th percentile per-packet one-way delay: 88.325 ms
Loss rate: 1.15%
-- Flow 1:
Average throughput: 12.03 Mbit/s
95th percentile per-packet one-way delay: 88.325 ms
Loss rate: 1.15%

Run 6: Report of LEDBAT — Data Link



Run 7: Statistics of LEDBAT

Start at: 2018-06-18 20:47:34

End at: 2018-06-18 20:48:04

Local clock offset: 0.217 ms

Remote clock offset: -0.43 ms

Below is generated by plot.py at 2018-06-18 22:53:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 11.86 Mbit/s

95th percentile per-packet one-way delay: 87.706 ms

Loss rate: 1.16%

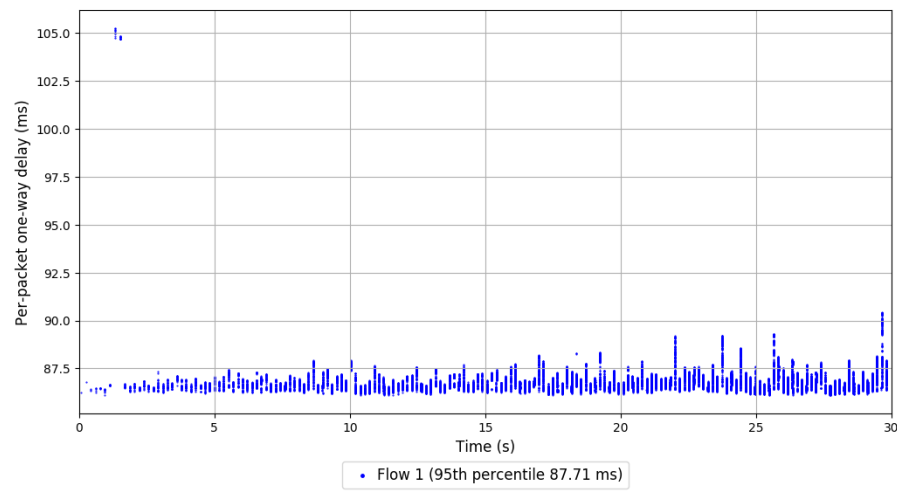
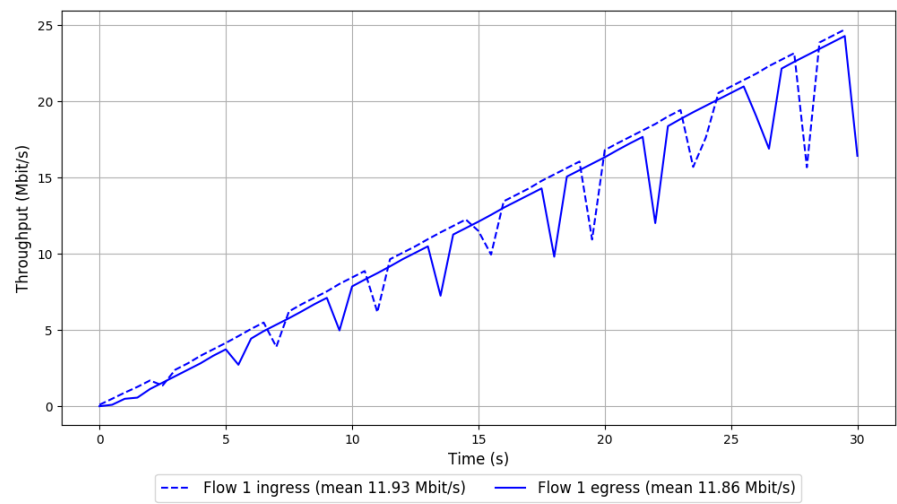
-- Flow 1:

Average throughput: 11.86 Mbit/s

95th percentile per-packet one-way delay: 87.706 ms

Loss rate: 1.16%

Run 7: Report of LEDBAT — Data Link

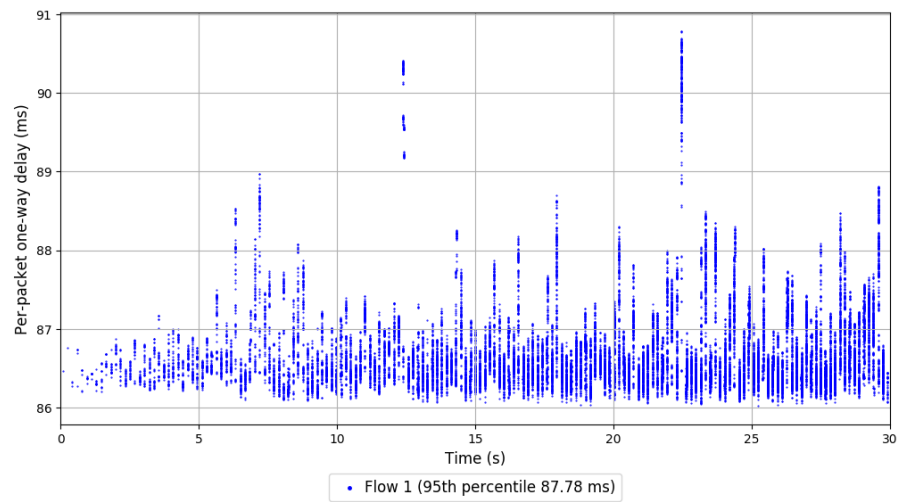
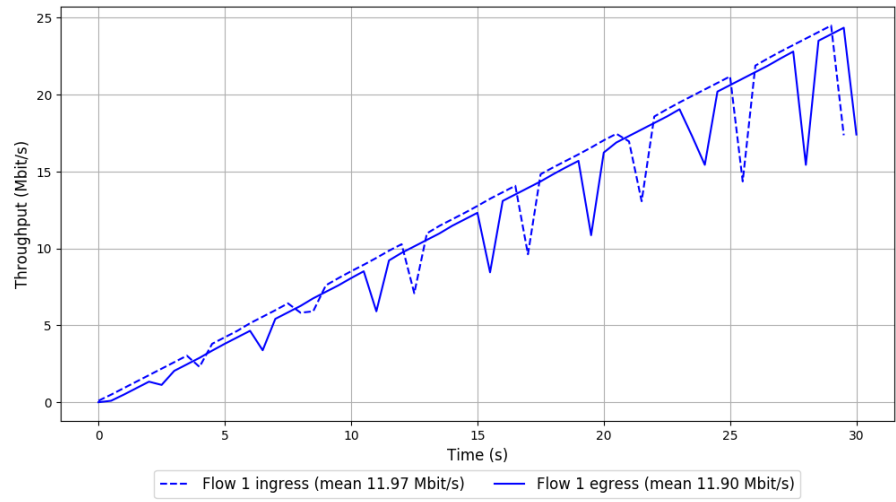


Run 8: Statistics of LEDBAT

Start at: 2018-06-18 21:07:53
End at: 2018-06-18 21:08:23
Local clock offset: 0.147 ms
Remote clock offset: -0.459 ms

Below is generated by plot.py at 2018-06-18 22:53:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 11.90 Mbit/s
95th percentile per-packet one-way delay: 87.775 ms
Loss rate: 1.14%
-- Flow 1:
Average throughput: 11.90 Mbit/s
95th percentile per-packet one-way delay: 87.775 ms
Loss rate: 1.14%

Run 8: Report of LEDBAT — Data Link

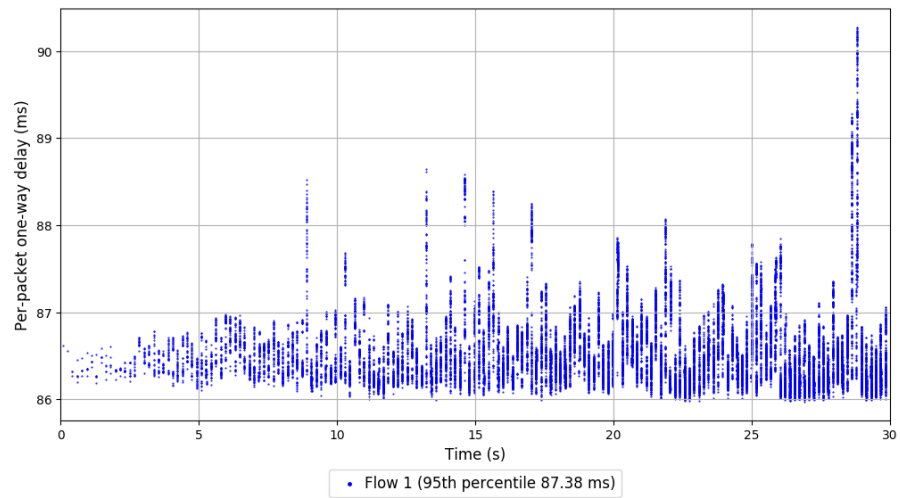
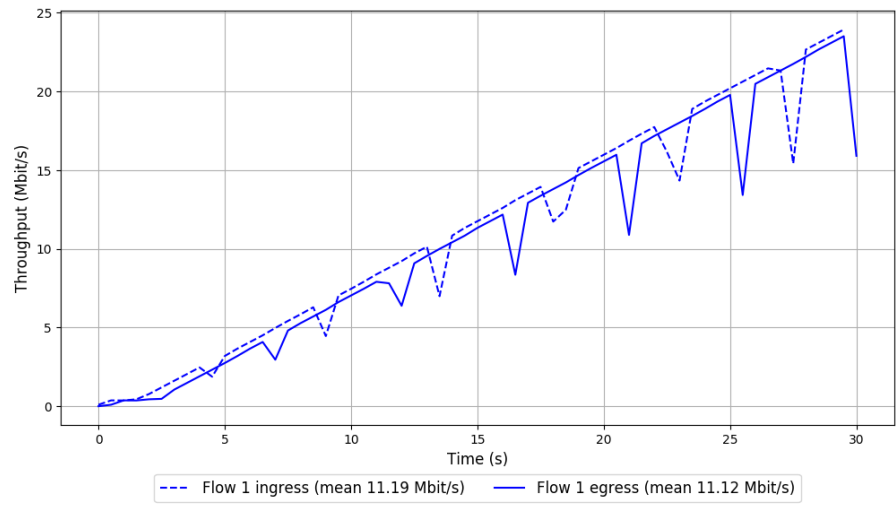


Run 9: Statistics of LEDBAT

Start at: 2018-06-18 21:28:28
End at: 2018-06-18 21:28:58
Local clock offset: 0.088 ms
Remote clock offset: -0.574 ms

Below is generated by plot.py at 2018-06-18 22:53:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 11.12 Mbit/s
95th percentile per-packet one-way delay: 87.383 ms
Loss rate: 1.20%
-- Flow 1:
Average throughput: 11.12 Mbit/s
95th percentile per-packet one-way delay: 87.383 ms
Loss rate: 1.20%

Run 9: Report of LEDBAT — Data Link



Run 10: Statistics of LEDBAT

Start at: 2018-06-18 21:49:02

End at: 2018-06-18 21:49:32

Local clock offset: 0.237 ms

Remote clock offset: -0.65 ms

Below is generated by plot.py at 2018-06-18 22:53:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 11.70 Mbit/s

95th percentile per-packet one-way delay: 87.506 ms

Loss rate: 1.17%

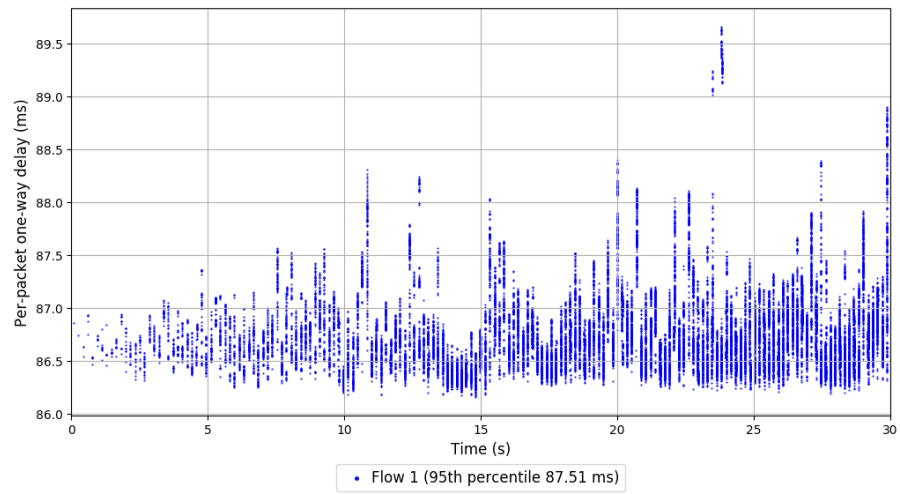
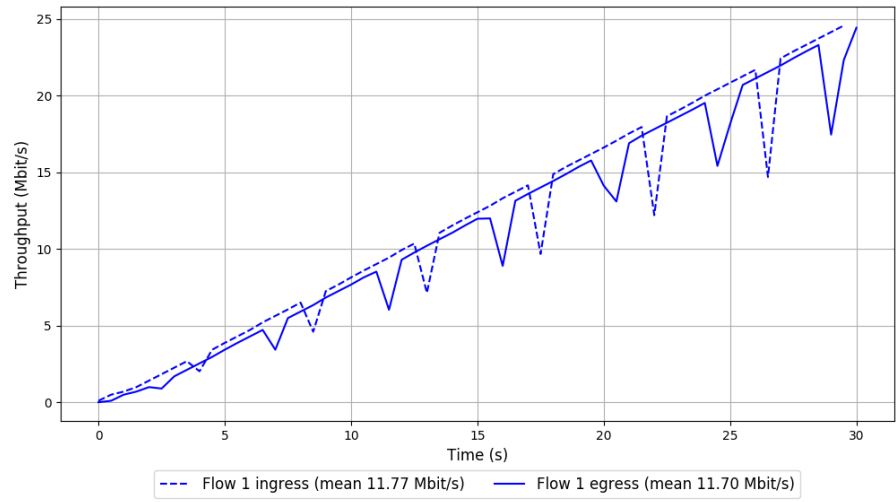
-- Flow 1:

Average throughput: 11.70 Mbit/s

95th percentile per-packet one-way delay: 87.506 ms

Loss rate: 1.17%

Run 10: Report of LEDBAT — Data Link



Run 1: Statistics of PCC-Allegro

Start at: 2018-06-18 18:54:35

End at: 2018-06-18 18:55:05

Local clock offset: -0.11 ms

Remote clock offset: -0.064 ms

Below is generated by plot.py at 2018-06-18 22:53:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 377.43 Mbit/s

95th percentile per-packet one-way delay: 245.006 ms

Loss rate: 1.29%

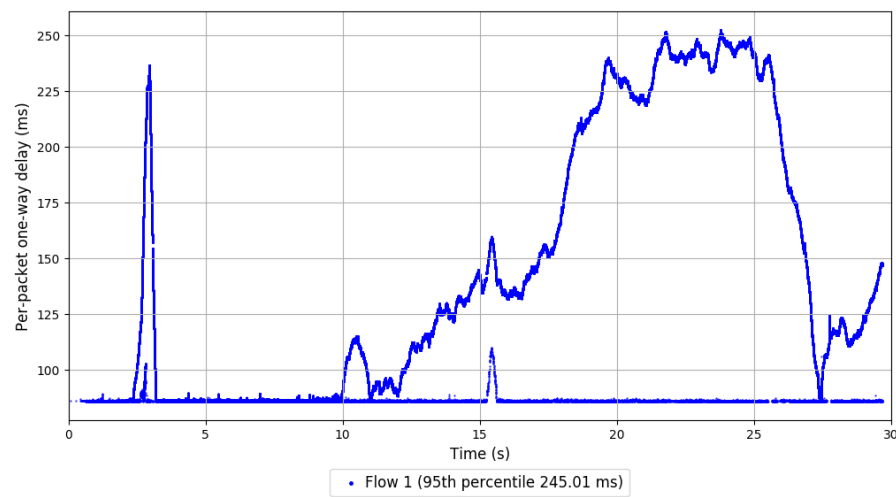
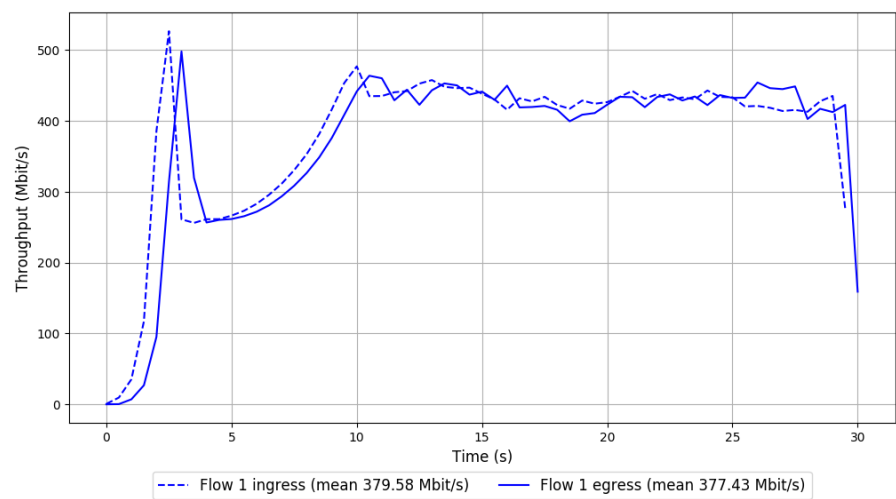
-- Flow 1:

Average throughput: 377.43 Mbit/s

95th percentile per-packet one-way delay: 245.006 ms

Loss rate: 1.29%

Run 1: Report of PCC-Allegro — Data Link



Run 2: Statistics of PCC-Allegro

Start at: 2018-06-18 19:14:54

End at: 2018-06-18 19:15:24

Local clock offset: 0.214 ms

Remote clock offset: -0.047 ms

Below is generated by plot.py at 2018-06-18 22:53:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 401.39 Mbit/s

95th percentile per-packet one-way delay: 223.457 ms

Loss rate: 1.40%

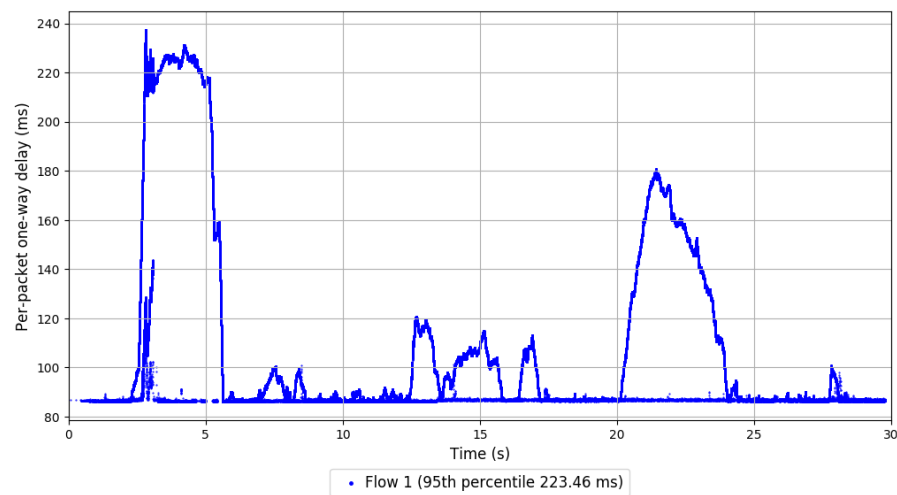
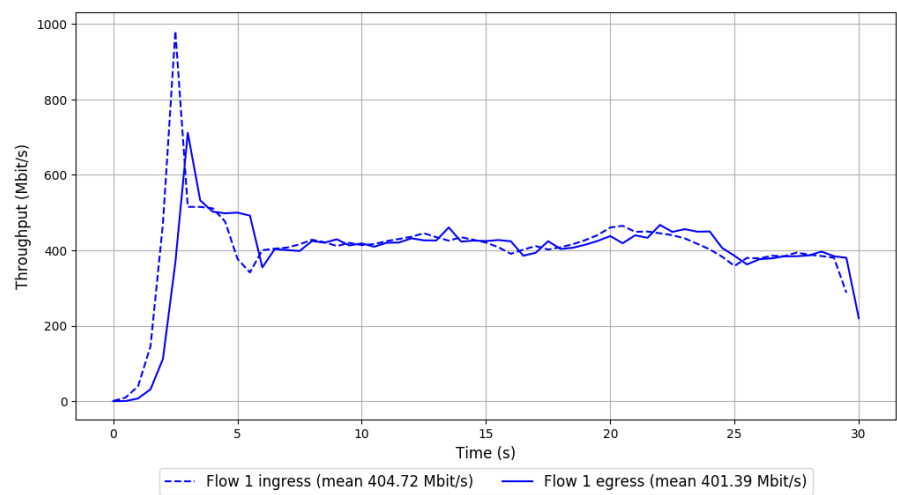
-- Flow 1:

Average throughput: 401.39 Mbit/s

95th percentile per-packet one-way delay: 223.457 ms

Loss rate: 1.40%

Run 2: Report of PCC-Allegro — Data Link



Run 3: Statistics of PCC-Allegro

Start at: 2018-06-18 19:35:32

End at: 2018-06-18 19:36:02

Local clock offset: 0.156 ms

Remote clock offset: -0.087 ms

Below is generated by plot.py at 2018-06-18 22:53:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 351.30 Mbit/s

95th percentile per-packet one-way delay: 134.457 ms

Loss rate: 0.74%

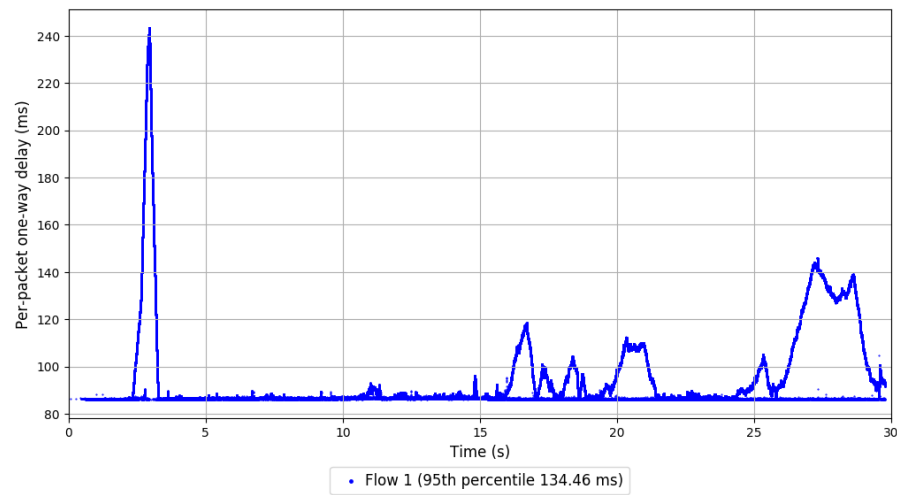
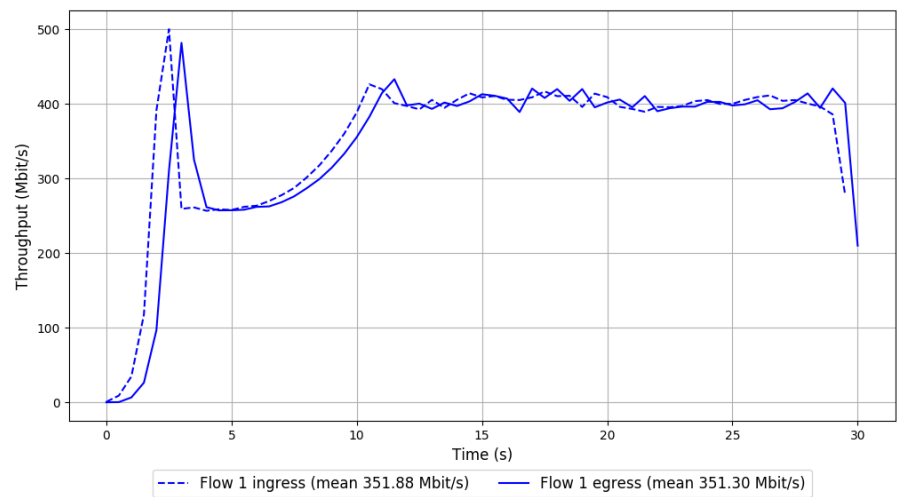
-- Flow 1:

Average throughput: 351.30 Mbit/s

95th percentile per-packet one-way delay: 134.457 ms

Loss rate: 0.74%

Run 3: Report of PCC-Allegro — Data Link



Run 4: Statistics of PCC-Allegro

Start at: 2018-06-18 19:56:07

End at: 2018-06-18 19:56:37

Local clock offset: 0.208 ms

Remote clock offset: -0.224 ms

Below is generated by plot.py at 2018-06-18 22:53:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 358.60 Mbit/s

95th percentile per-packet one-way delay: 234.241 ms

Loss rate: 0.85%

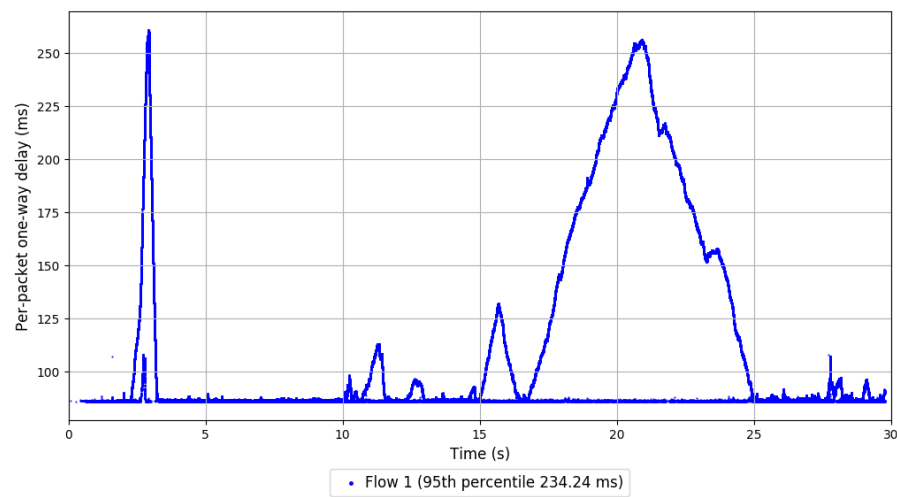
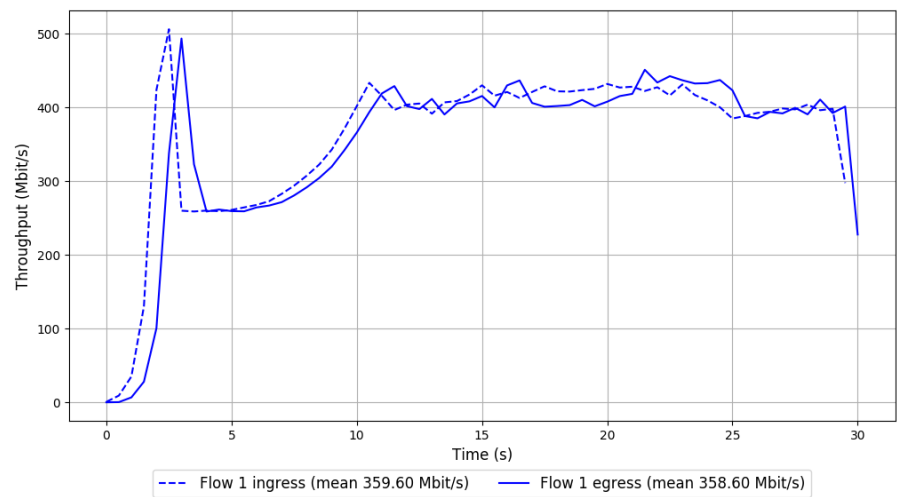
-- Flow 1:

Average throughput: 358.60 Mbit/s

95th percentile per-packet one-way delay: 234.241 ms

Loss rate: 0.85%

Run 4: Report of PCC-Allegro — Data Link



Run 5: Statistics of PCC-Allegro

Start at: 2018-06-18 20:16:46

End at: 2018-06-18 20:17:16

Local clock offset: 0.188 ms

Remote clock offset: -0.301 ms

Below is generated by plot.py at 2018-06-18 22:53:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 366.45 Mbit/s

95th percentile per-packet one-way delay: 147.399 ms

Loss rate: 0.84%

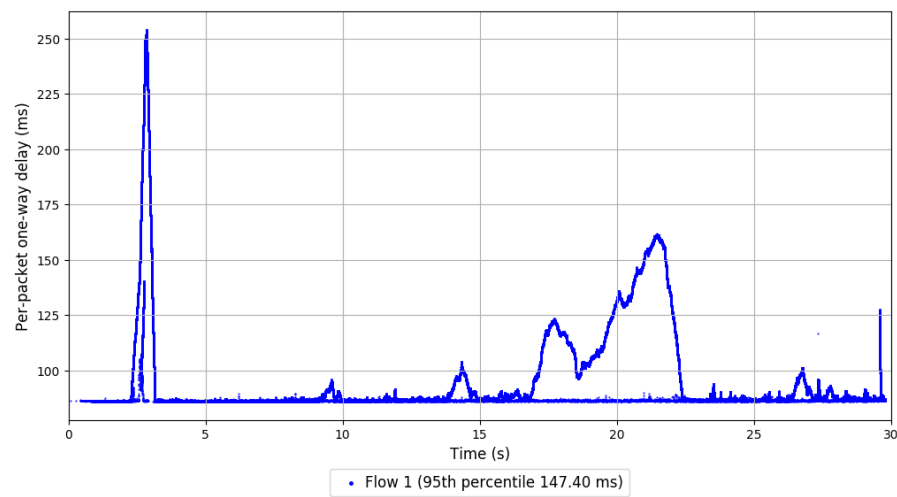
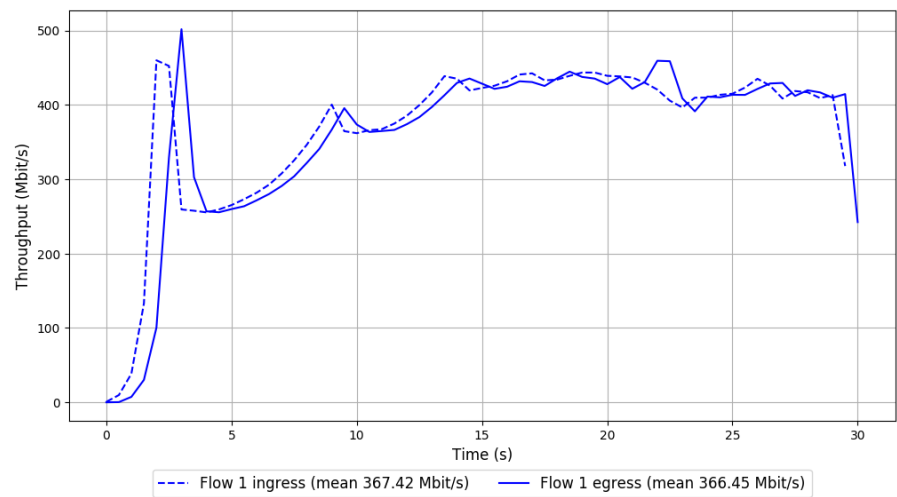
-- Flow 1:

Average throughput: 366.45 Mbit/s

95th percentile per-packet one-way delay: 147.399 ms

Loss rate: 0.84%

Run 5: Report of PCC-Allegro — Data Link



Run 6: Statistics of PCC-Allegro

Start at: 2018-06-18 20:37:14

End at: 2018-06-18 20:37:44

Local clock offset: 0.119 ms

Remote clock offset: -0.429 ms

Below is generated by plot.py at 2018-06-18 22:53:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 353.23 Mbit/s

95th percentile per-packet one-way delay: 142.719 ms

Loss rate: 1.24%

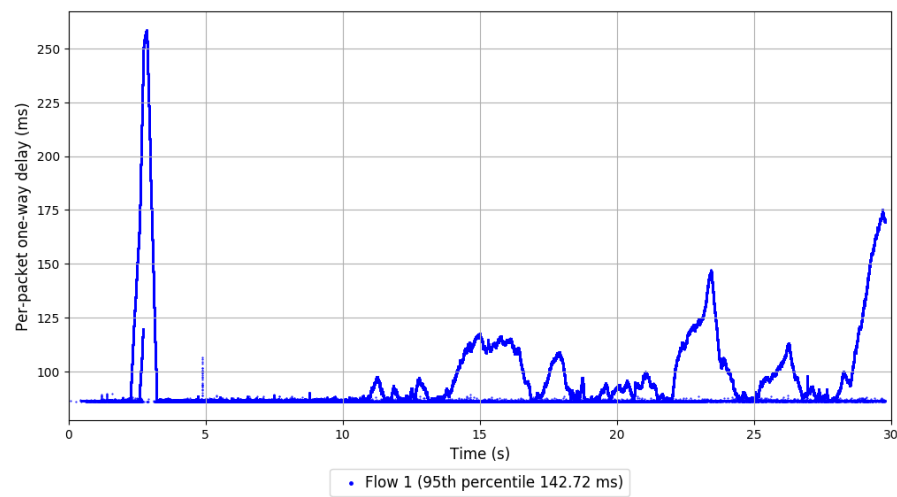
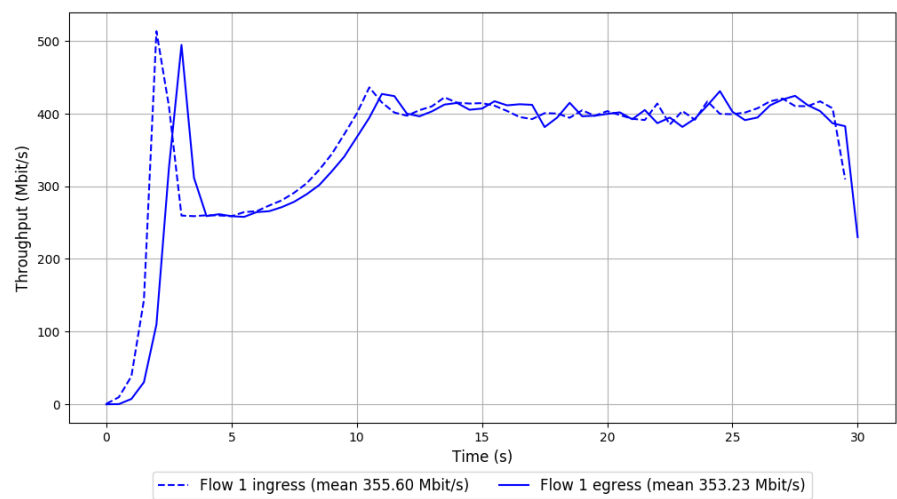
-- Flow 1:

Average throughput: 353.23 Mbit/s

95th percentile per-packet one-way delay: 142.719 ms

Loss rate: 1.24%

Run 6: Report of PCC-Allegro — Data Link



Run 7: Statistics of PCC-Allegro

Start at: 2018-06-18 20:57:30

End at: 2018-06-18 20:58:00

Local clock offset: 0.031 ms

Remote clock offset: -0.51 ms

Below is generated by plot.py at 2018-06-18 22:57:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 352.77 Mbit/s

95th percentile per-packet one-way delay: 113.582 ms

Loss rate: 0.75%

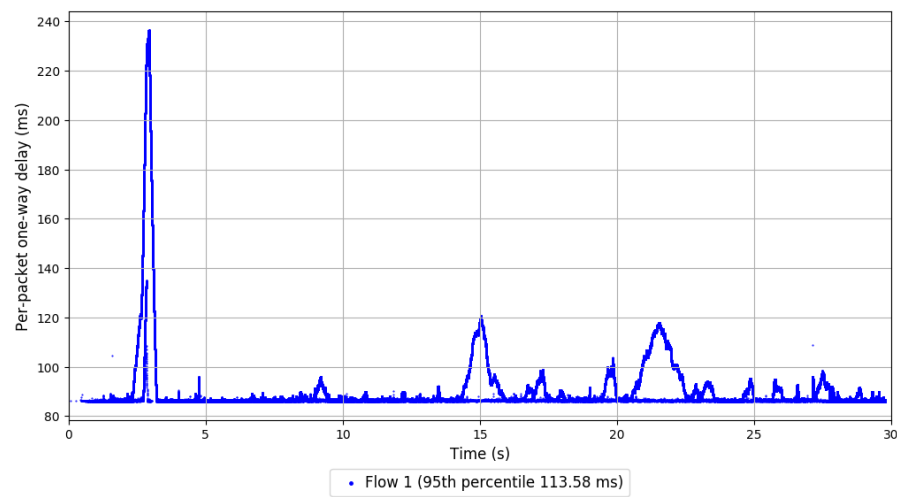
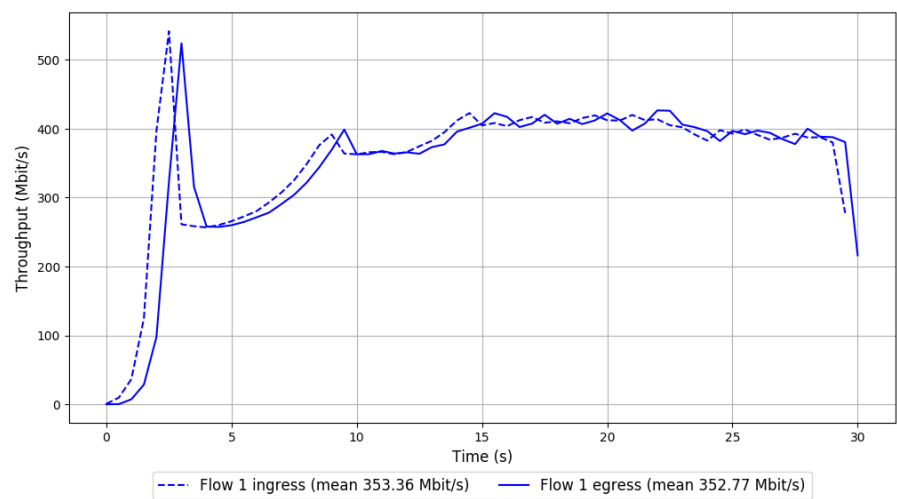
-- Flow 1:

Average throughput: 352.77 Mbit/s

95th percentile per-packet one-way delay: 113.582 ms

Loss rate: 0.75%

Run 7: Report of PCC-Allegro — Data Link



Run 8: Statistics of PCC-Allegro

Start at: 2018-06-18 21:18:02

End at: 2018-06-18 21:18:32

Local clock offset: 0.137 ms

Remote clock offset: -0.535 ms

Below is generated by plot.py at 2018-06-18 22:57:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 352.03 Mbit/s

95th percentile per-packet one-way delay: 110.048 ms

Loss rate: 0.92%

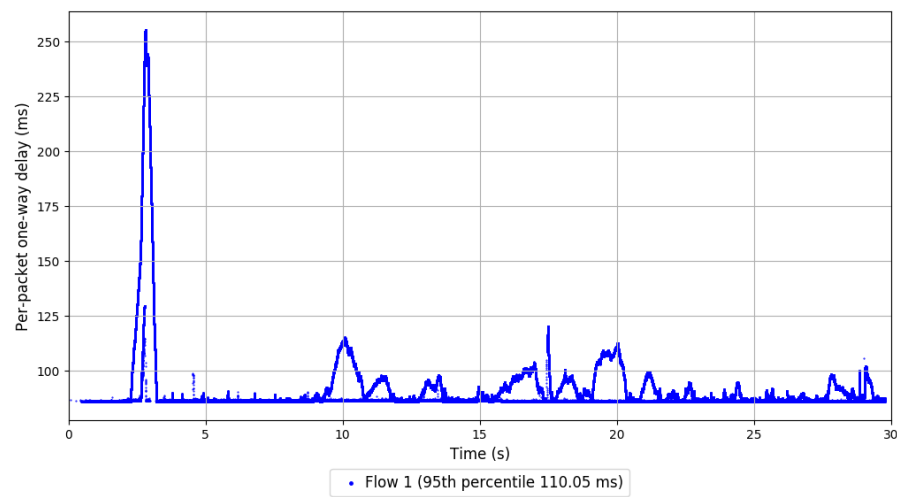
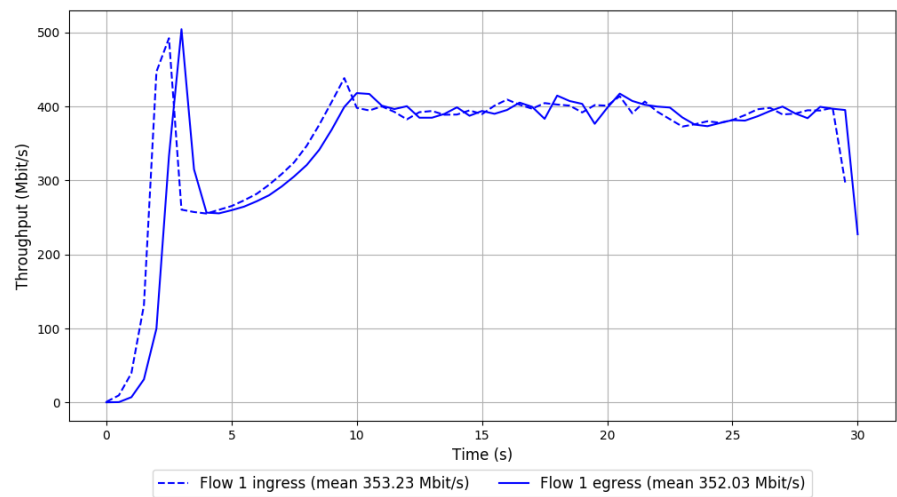
-- Flow 1:

Average throughput: 352.03 Mbit/s

95th percentile per-packet one-way delay: 110.048 ms

Loss rate: 0.92%

Run 8: Report of PCC-Allegro — Data Link



Run 9: Statistics of PCC-Allegro

Start at: 2018-06-18 21:38:30

End at: 2018-06-18 21:39:00

Local clock offset: 0.196 ms

Remote clock offset: -0.57 ms

Below is generated by plot.py at 2018-06-18 22:57:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 352.82 Mbit/s

95th percentile per-packet one-way delay: 167.629 ms

Loss rate: 0.78%

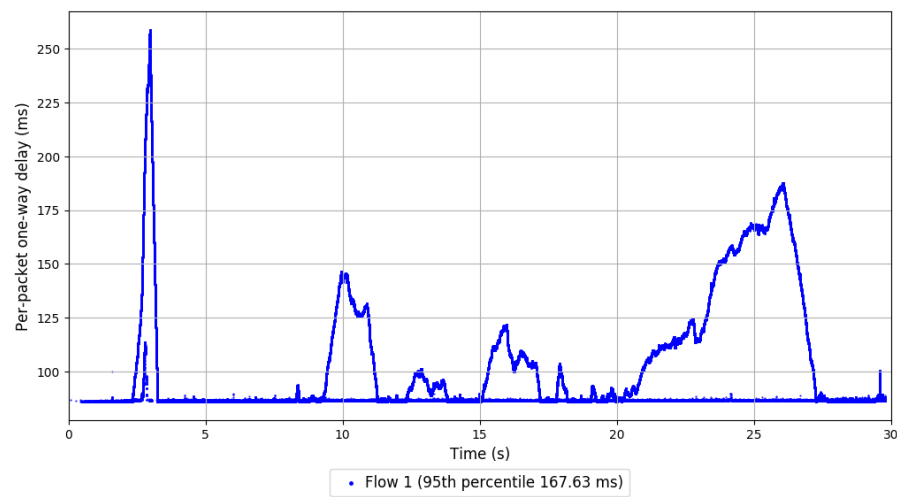
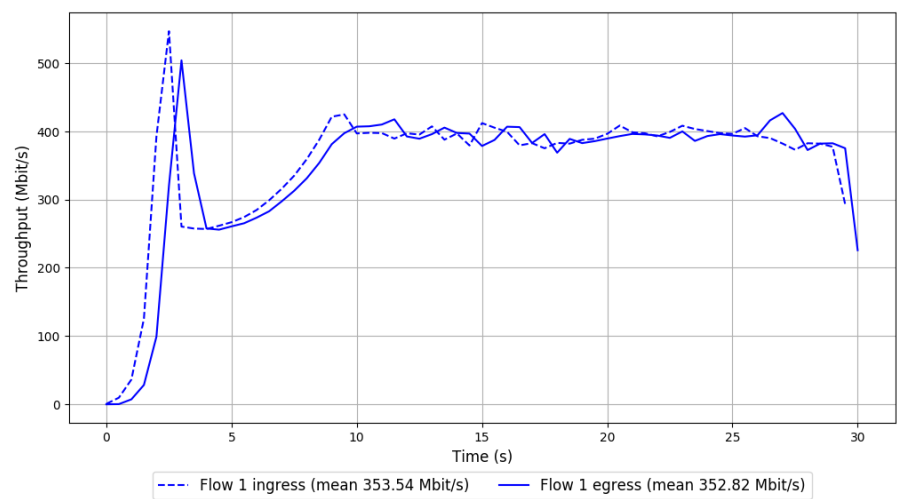
-- Flow 1:

Average throughput: 352.82 Mbit/s

95th percentile per-packet one-way delay: 167.629 ms

Loss rate: 0.78%

Run 9: Report of PCC-Allegro — Data Link

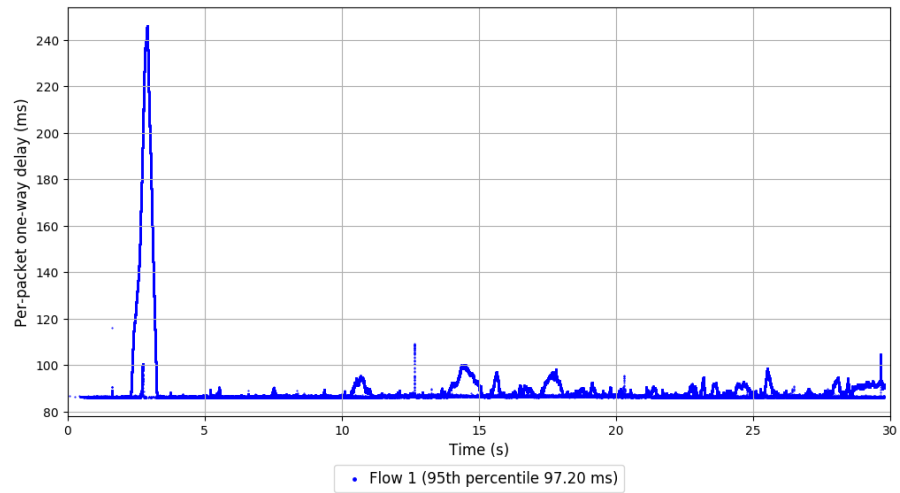
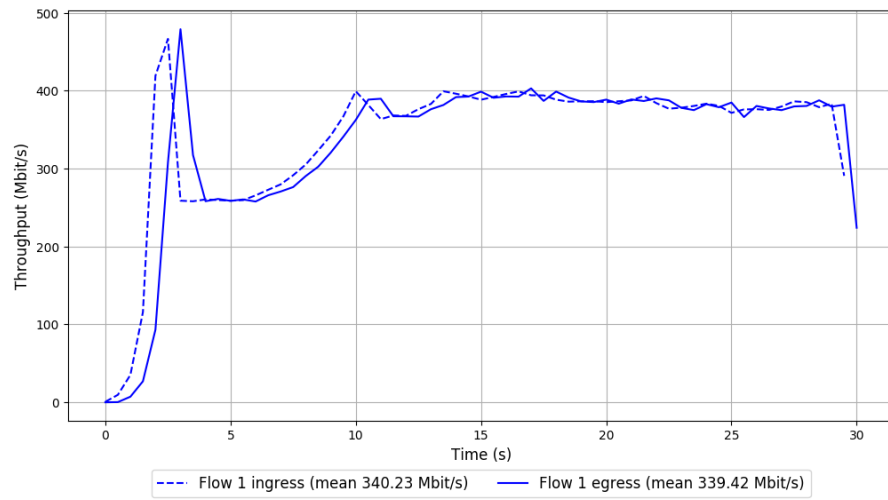


Run 10: Statistics of PCC-Allegro

Start at: 2018-06-18 21:59:06
End at: 2018-06-18 21:59:36
Local clock offset: 0.009 ms
Remote clock offset: -0.694 ms

Below is generated by plot.py at 2018-06-18 22:57:56
Datalink statistics
-- Total of 1 flow:
Average throughput: 339.42 Mbit/s
95th percentile per-packet one-way delay: 97.199 ms
Loss rate: 0.81%
-- Flow 1:
Average throughput: 339.42 Mbit/s
95th percentile per-packet one-way delay: 97.199 ms
Loss rate: 0.81%

Run 10: Report of PCC-Allegro — Data Link



Run 1: Statistics of PCC-Expr

Start at: 2018-06-18 19:03:30

End at: 2018-06-18 19:04:00

Local clock offset: -0.058 ms

Remote clock offset: 0.034 ms

Below is generated by plot.py at 2018-06-18 22:59:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 244.38 Mbit/s

95th percentile per-packet one-way delay: 87.151 ms

Loss rate: 0.67%

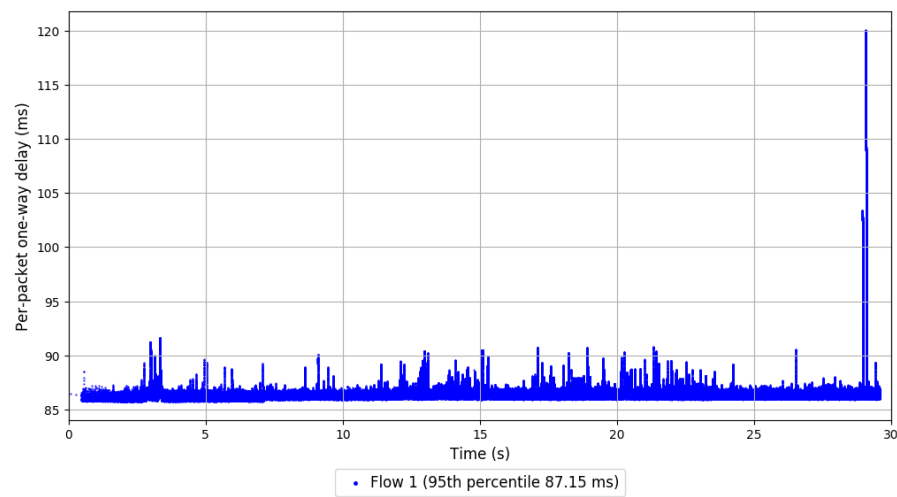
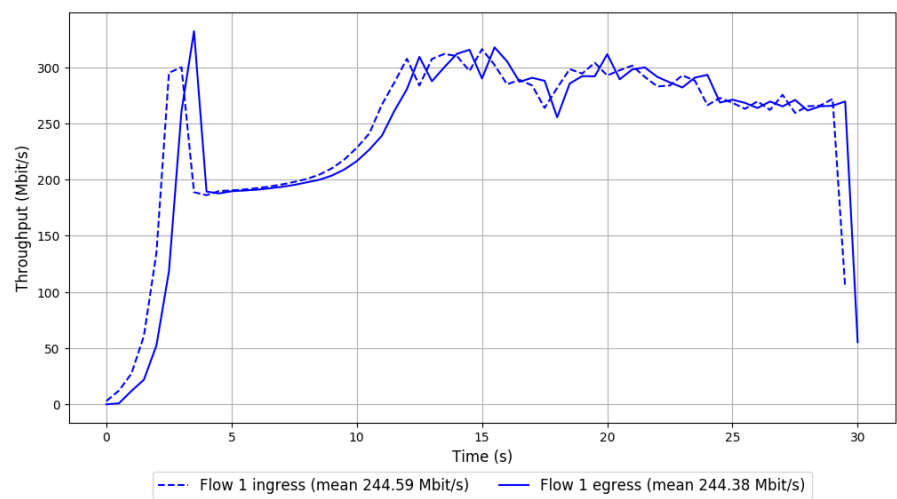
-- Flow 1:

Average throughput: 244.38 Mbit/s

95th percentile per-packet one-way delay: 87.151 ms

Loss rate: 0.67%

Run 1: Report of PCC-Expr — Data Link

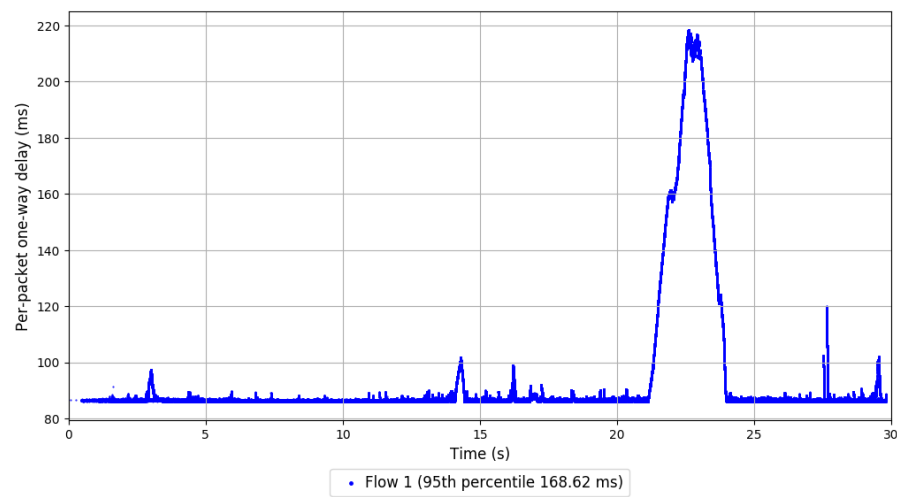
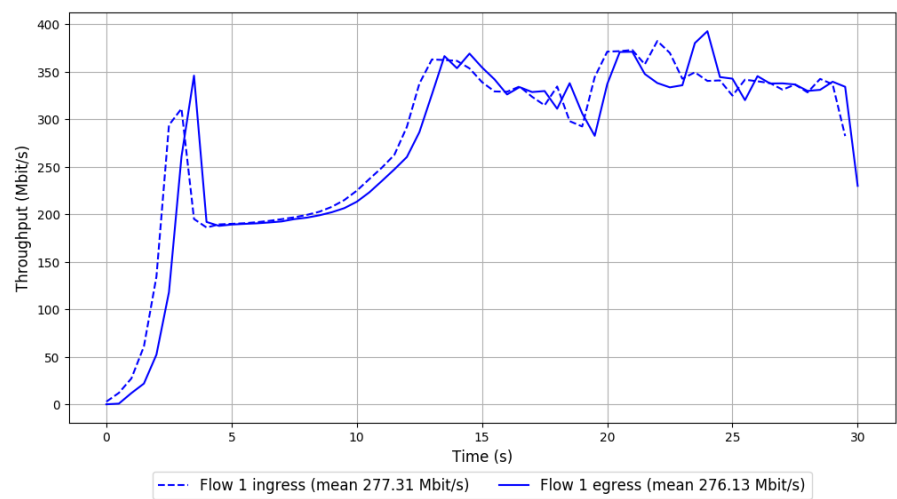


Run 2: Statistics of PCC-Expr

Start at: 2018-06-18 19:23:51
End at: 2018-06-18 19:24:21
Local clock offset: 0.18 ms
Remote clock offset: -0.113 ms

Below is generated by plot.py at 2018-06-18 23:00:51
Datalink statistics
-- Total of 1 flow:
Average throughput: 276.13 Mbit/s
95th percentile per-packet one-way delay: 168.619 ms
Loss rate: 1.00%
-- Flow 1:
Average throughput: 276.13 Mbit/s
95th percentile per-packet one-way delay: 168.619 ms
Loss rate: 1.00%

Run 2: Report of PCC-Expr — Data Link

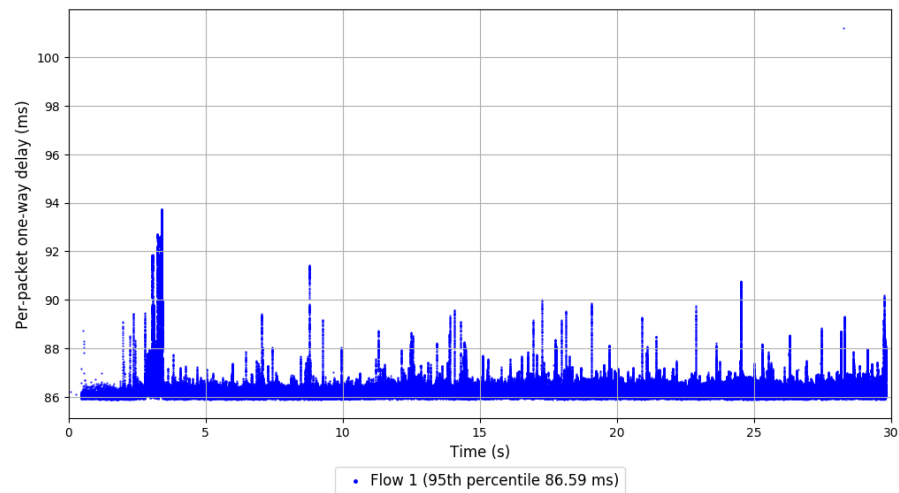
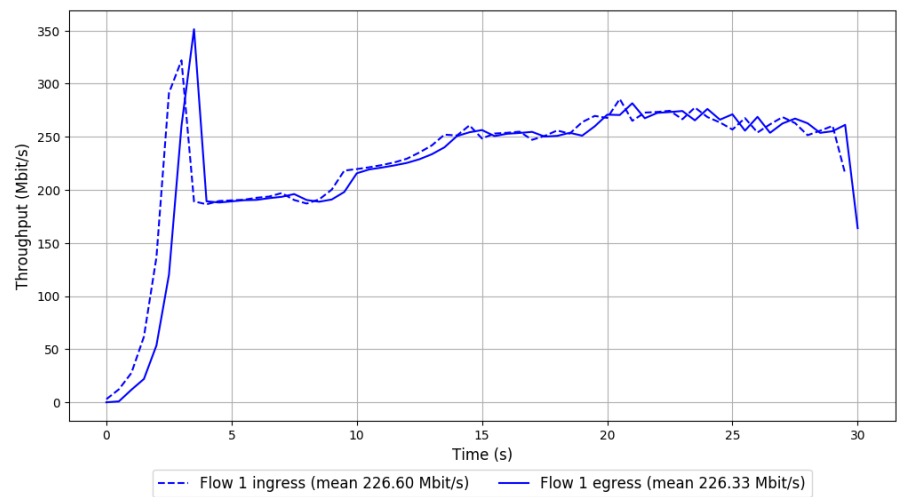


Run 3: Statistics of PCC-Expr

Start at: 2018-06-18 19:44:29
End at: 2018-06-18 19:44:59
Local clock offset: 0.076 ms
Remote clock offset: -0.201 ms

Below is generated by plot.py at 2018-06-18 23:00:51
Datalink statistics
-- Total of 1 flow:
Average throughput: 226.33 Mbit/s
95th percentile per-packet one-way delay: 86.595 ms
Loss rate: 0.69%
-- Flow 1:
Average throughput: 226.33 Mbit/s
95th percentile per-packet one-way delay: 86.595 ms
Loss rate: 0.69%

Run 3: Report of PCC-Expr — Data Link

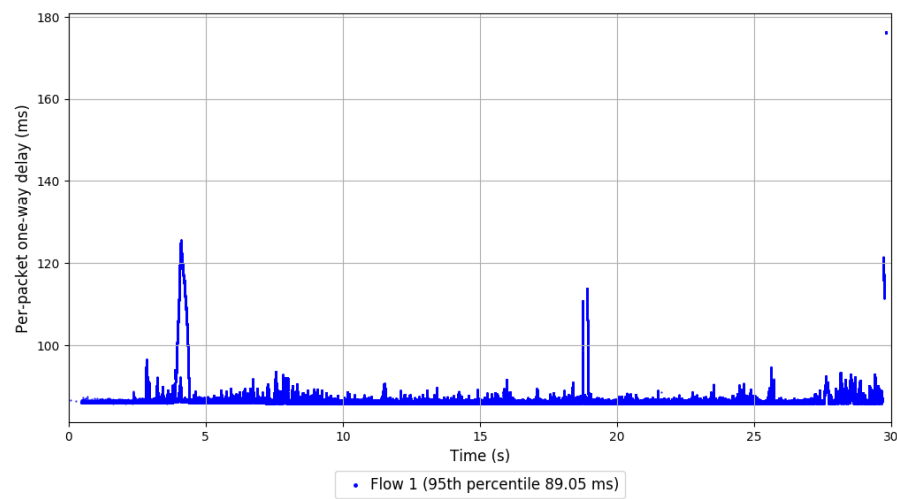
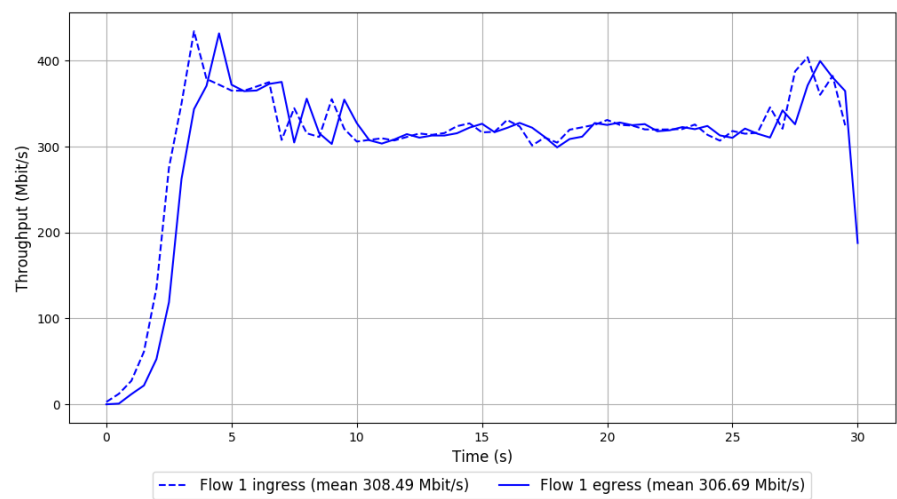


Run 4: Statistics of PCC-Expr

Start at: 2018-06-18 20:05:00
End at: 2018-06-18 20:05:30
Local clock offset: 0.013 ms
Remote clock offset: -0.263 ms

Below is generated by plot.py at 2018-06-18 23:03:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 306.69 Mbit/s
95th percentile per-packet one-way delay: 89.052 ms
Loss rate: 1.16%
-- Flow 1:
Average throughput: 306.69 Mbit/s
95th percentile per-packet one-way delay: 89.052 ms
Loss rate: 1.16%

Run 4: Report of PCC-Expr — Data Link

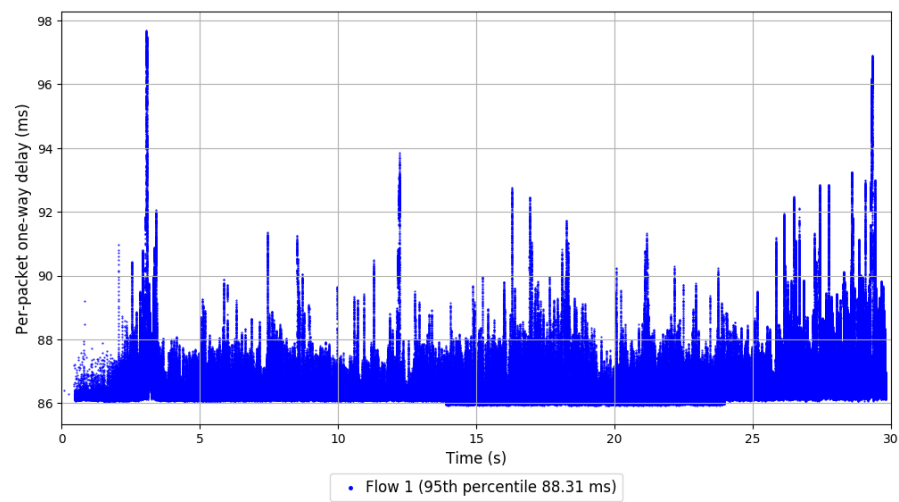
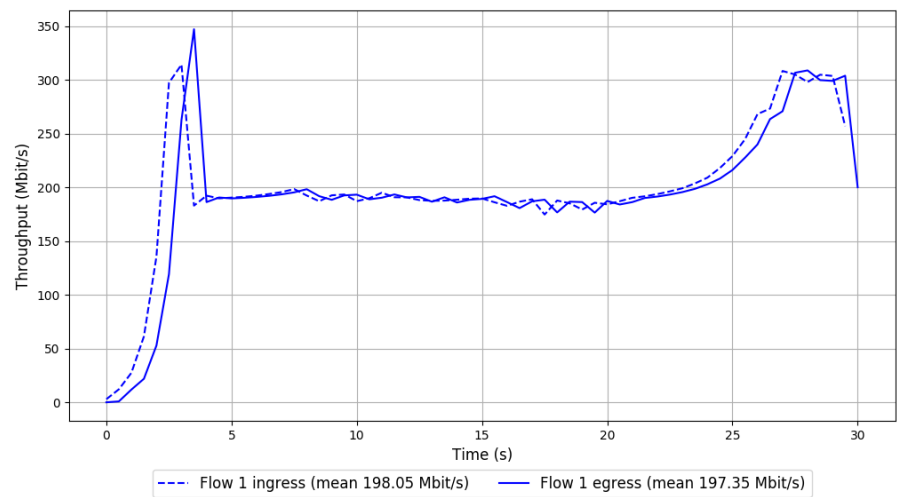


Run 5: Statistics of PCC-Expr

Start at: 2018-06-18 20:25:43
End at: 2018-06-18 20:26:13
Local clock offset: 0.187 ms
Remote clock offset: -0.379 ms

Below is generated by plot.py at 2018-06-18 23:03:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 197.35 Mbit/s
95th percentile per-packet one-way delay: 88.309 ms
Loss rate: 0.93%
-- Flow 1:
Average throughput: 197.35 Mbit/s
95th percentile per-packet one-way delay: 88.309 ms
Loss rate: 0.93%

Run 5: Report of PCC-Expr — Data Link

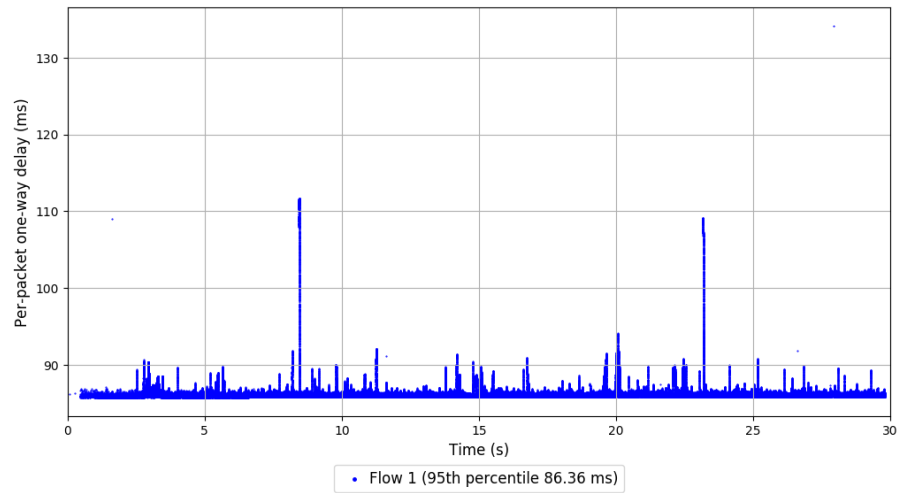
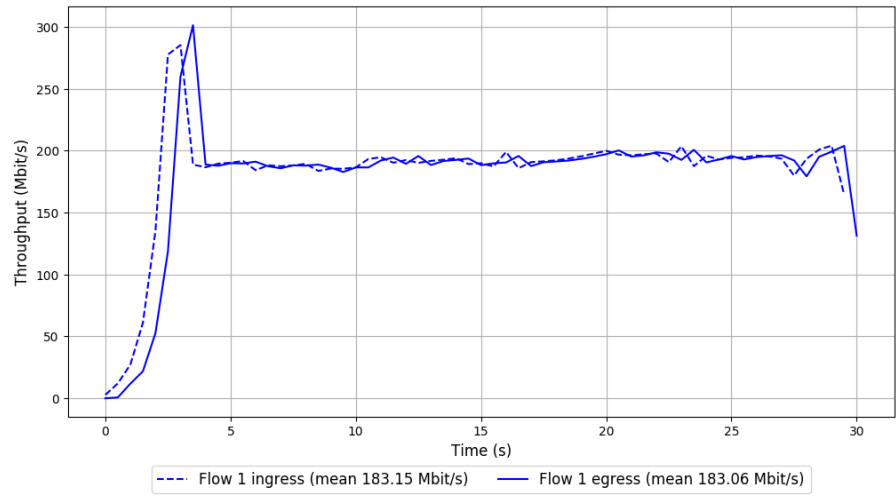


Run 6: Statistics of PCC-Expr

Start at: 2018-06-18 20:46:11
End at: 2018-06-18 20:46:41
Local clock offset: -0.036 ms
Remote clock offset: -0.423 ms

Below is generated by plot.py at 2018-06-18 23:03:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 183.06 Mbit/s
95th percentile per-packet one-way delay: 86.359 ms
Loss rate: 0.63%
-- Flow 1:
Average throughput: 183.06 Mbit/s
95th percentile per-packet one-way delay: 86.359 ms
Loss rate: 0.63%

Run 6: Report of PCC-Expr — Data Link

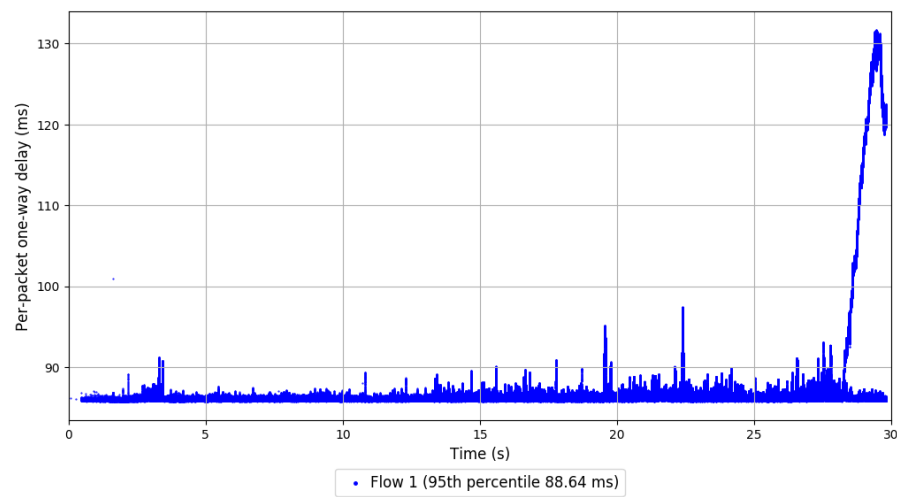
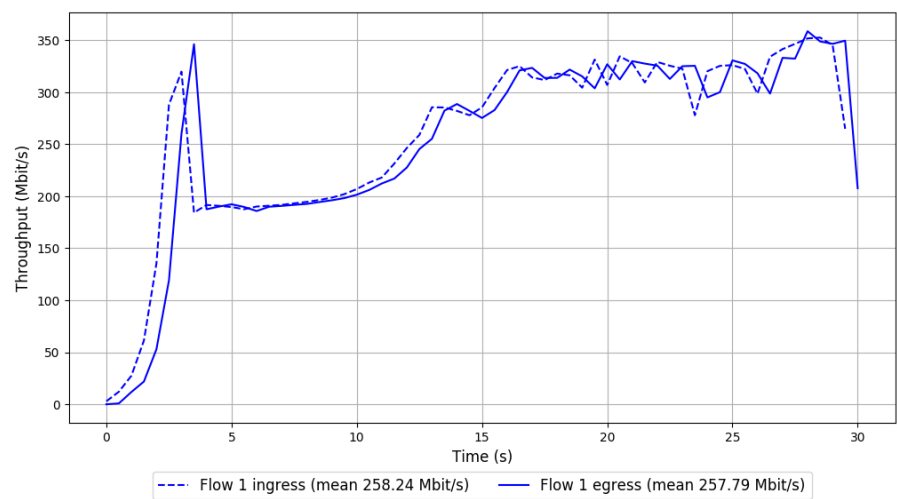


Run 7: Statistics of PCC-Expr

Start at: 2018-06-18 21:06:24
End at: 2018-06-18 21:06:54
Local clock offset: 0.025 ms
Remote clock offset: -0.475 ms

Below is generated by plot.py at 2018-06-18 23:06:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 257.79 Mbit/s
95th percentile per-packet one-way delay: 88.637 ms
Loss rate: 0.75%
-- Flow 1:
Average throughput: 257.79 Mbit/s
95th percentile per-packet one-way delay: 88.637 ms
Loss rate: 0.75%

Run 7: Report of PCC-Expr — Data Link

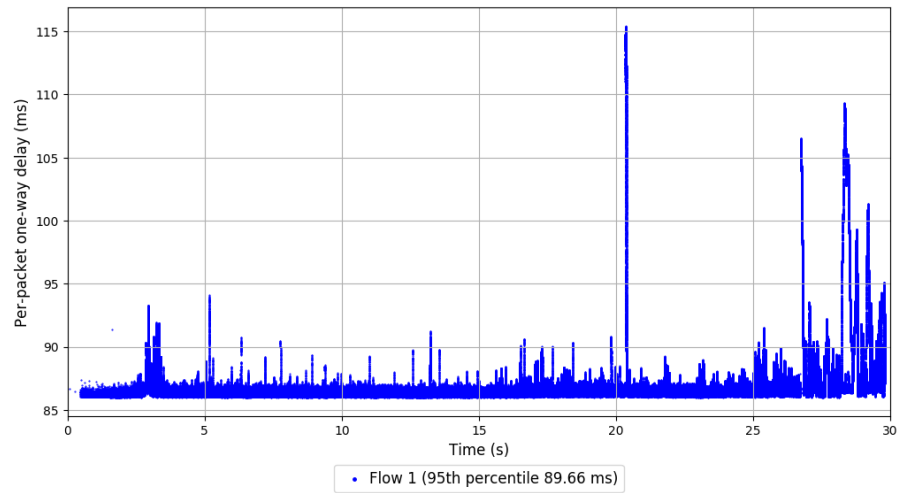
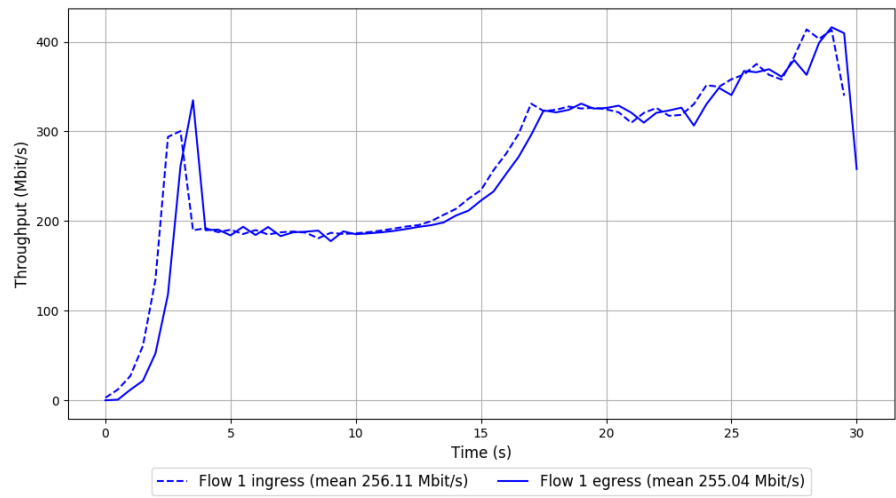


Run 8: Statistics of PCC-Expr

Start at: 2018-06-18 21:26:59
End at: 2018-06-18 21:27:29
Local clock offset: 0.105 ms
Remote clock offset: -0.539 ms

Below is generated by plot.py at 2018-06-18 23:06:16
Datalink statistics
-- Total of 1 flow:
Average throughput: 255.04 Mbit/s
95th percentile per-packet one-way delay: 89.656 ms
Loss rate: 0.99%
-- Flow 1:
Average throughput: 255.04 Mbit/s
95th percentile per-packet one-way delay: 89.656 ms
Loss rate: 0.99%

Run 8: Report of PCC-Expr — Data Link

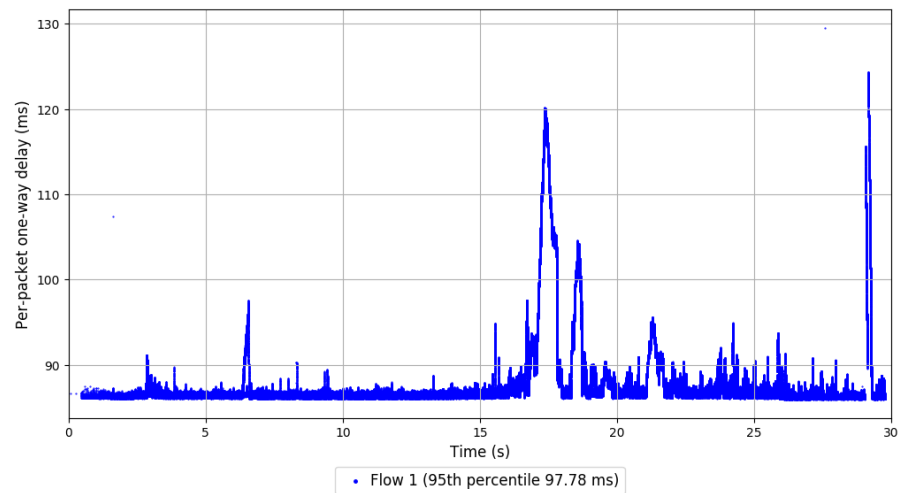
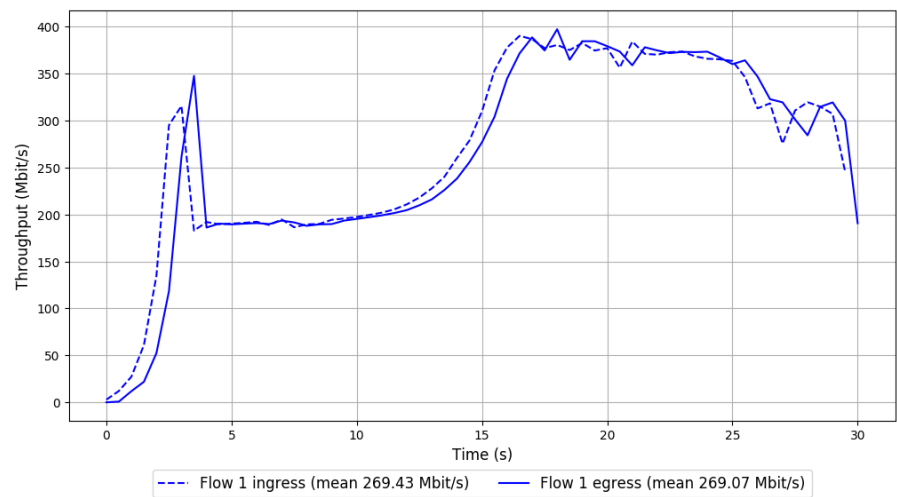


Run 9: Statistics of PCC-Expr

Start at: 2018-06-18 21:47:31
End at: 2018-06-18 21:48:01
Local clock offset: 0.074 ms
Remote clock offset: -0.629 ms

Below is generated by plot.py at 2018-06-18 23:08:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 269.07 Mbit/s
95th percentile per-packet one-way delay: 97.783 ms
Loss rate: 0.71%
-- Flow 1:
Average throughput: 269.07 Mbit/s
95th percentile per-packet one-way delay: 97.783 ms
Loss rate: 0.71%

Run 9: Report of PCC-Expr — Data Link



Run 10: Statistics of PCC-Expr

Start at: 2018-06-18 22:08:06

End at: 2018-06-18 22:08:36

Local clock offset: 0.165 ms

Remote clock offset: -0.648 ms

Below is generated by plot.py at 2018-06-18 23:10:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 320.61 Mbit/s

95th percentile per-packet one-way delay: 93.311 ms

Loss rate: 0.61%

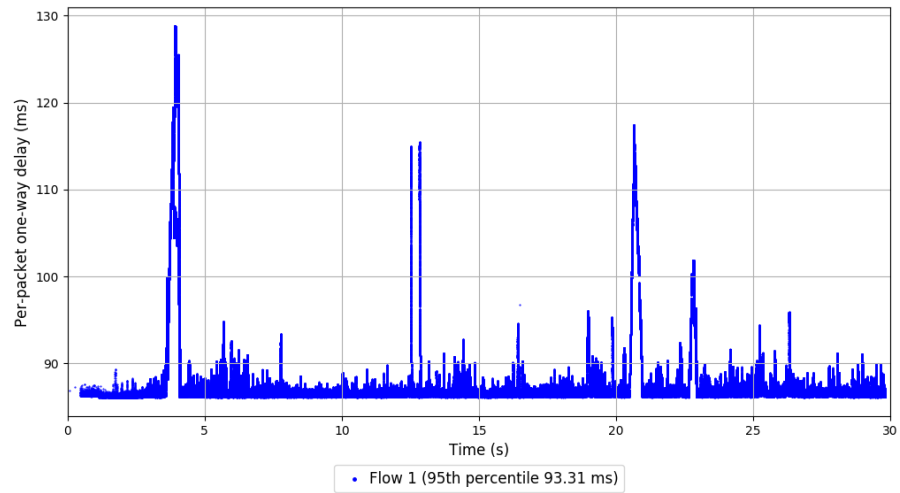
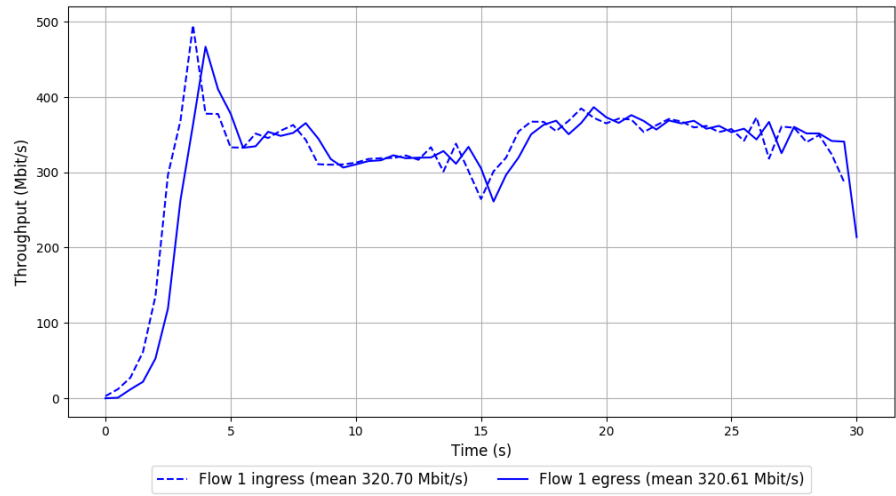
-- Flow 1:

Average throughput: 320.61 Mbit/s

95th percentile per-packet one-way delay: 93.311 ms

Loss rate: 0.61%

Run 10: Report of PCC-Expr — Data Link



Run 1: Statistics of QUIC Cubic

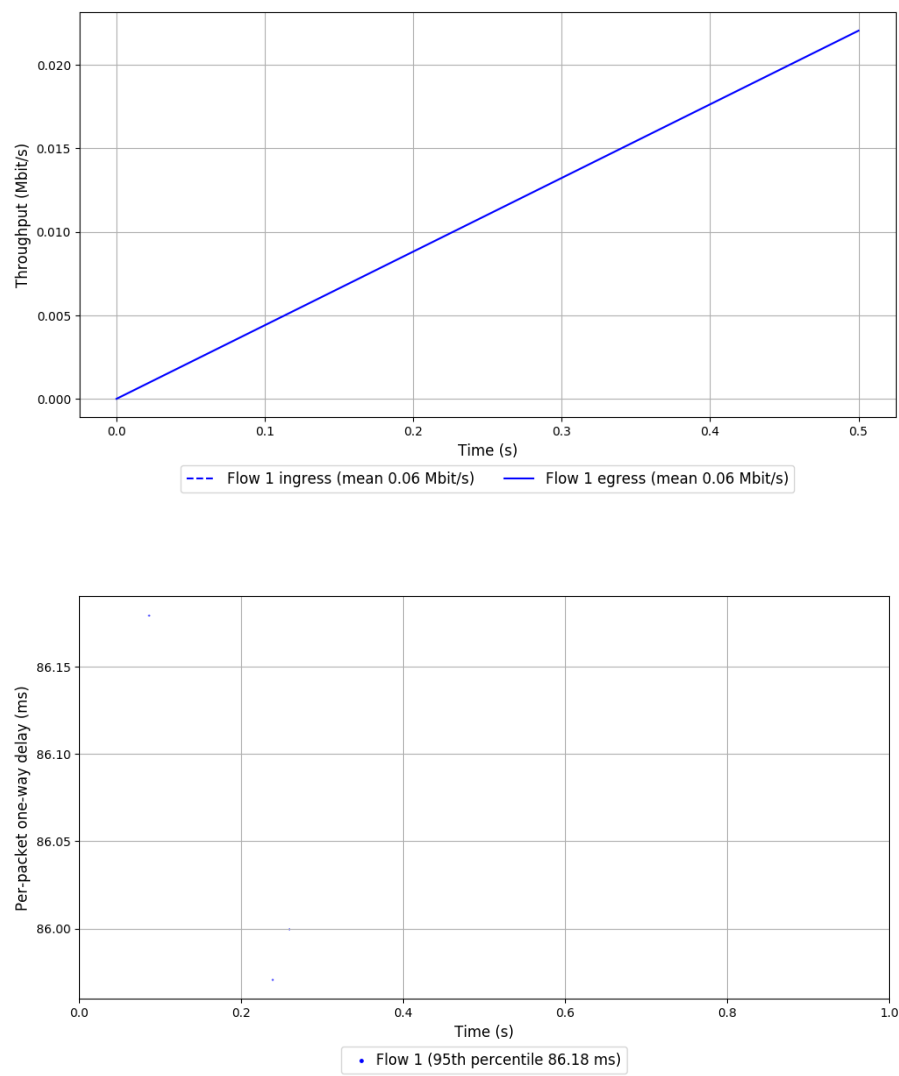
Start at: 2018-06-18 18:45:58

End at: 2018-06-18 18:46:28

Local clock offset: -0.093 ms

Remote clock offset: -0.005 ms

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

Start at: 2018-06-18 19:06:06

End at: 2018-06-18 19:06:36

Local clock offset: 0.141 ms

Remote clock offset: -0.023 ms

Below is generated by plot.py at 2018-06-18 23:10:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 43.03 Mbit/s

95th percentile per-packet one-way delay: 86.724 ms

Loss rate: 0.82%

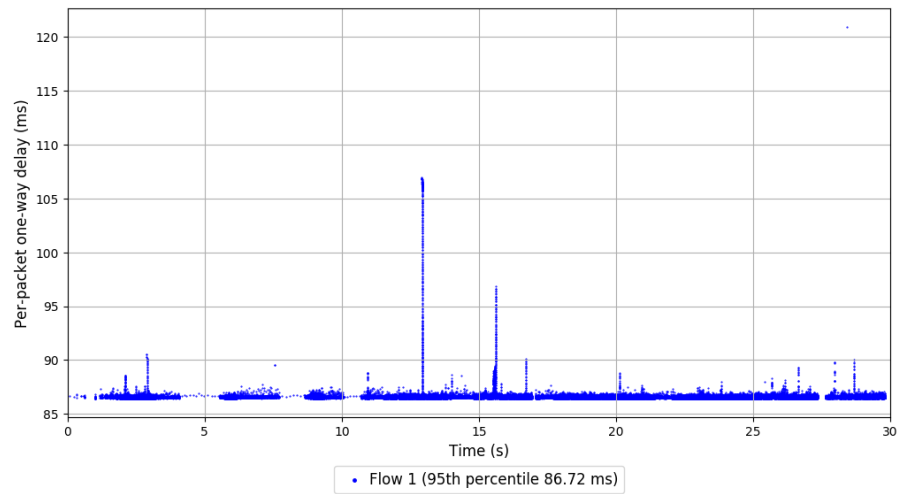
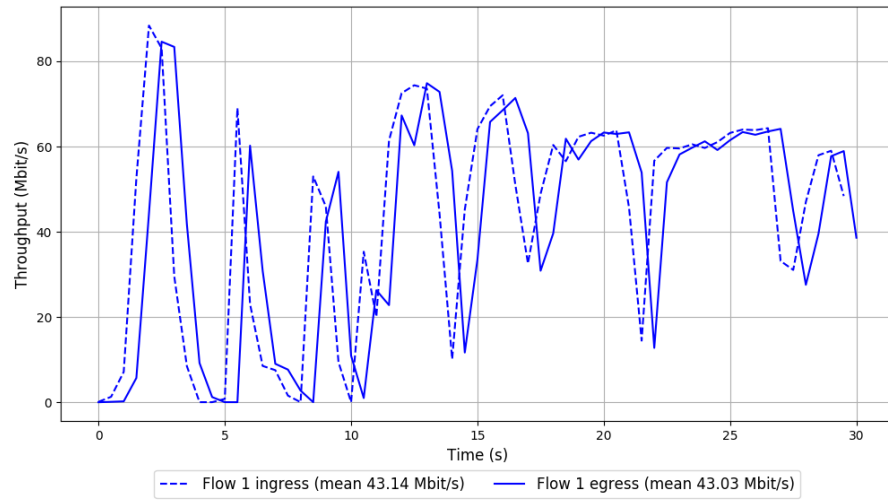
-- Flow 1:

Average throughput: 43.03 Mbit/s

95th percentile per-packet one-way delay: 86.724 ms

Loss rate: 0.82%

Run 2: Report of QUIC Cubic — Data Link

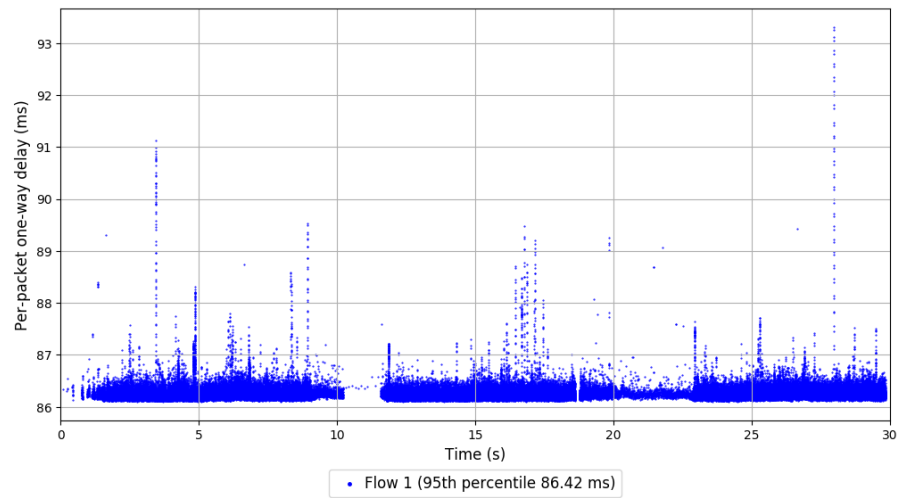
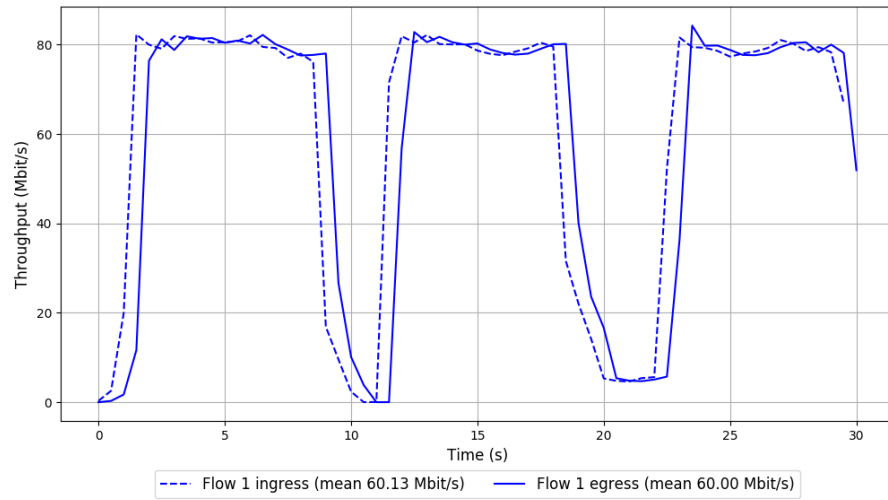


Run 3: Statistics of QUIC Cubic

Start at: 2018-06-18 19:26:31
End at: 2018-06-18 19:27:01
Local clock offset: 0.172 ms
Remote clock offset: -0.103 ms

Below is generated by plot.py at 2018-06-18 23:10:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 60.00 Mbit/s
95th percentile per-packet one-way delay: 86.425 ms
Loss rate: 0.79%
-- Flow 1:
Average throughput: 60.00 Mbit/s
95th percentile per-packet one-way delay: 86.425 ms
Loss rate: 0.79%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: 2018-06-18 19:47:04

End at: 2018-06-18 19:47:34

Local clock offset: 0.166 ms

Remote clock offset: -0.213 ms

Below is generated by plot.py at 2018-06-18 23:10:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 55.32 Mbit/s

95th percentile per-packet one-way delay: 86.730 ms

Loss rate: 0.86%

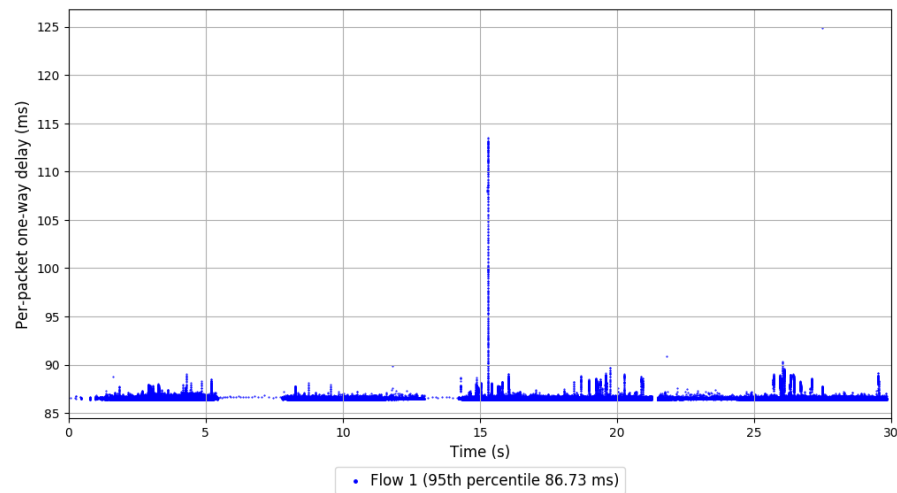
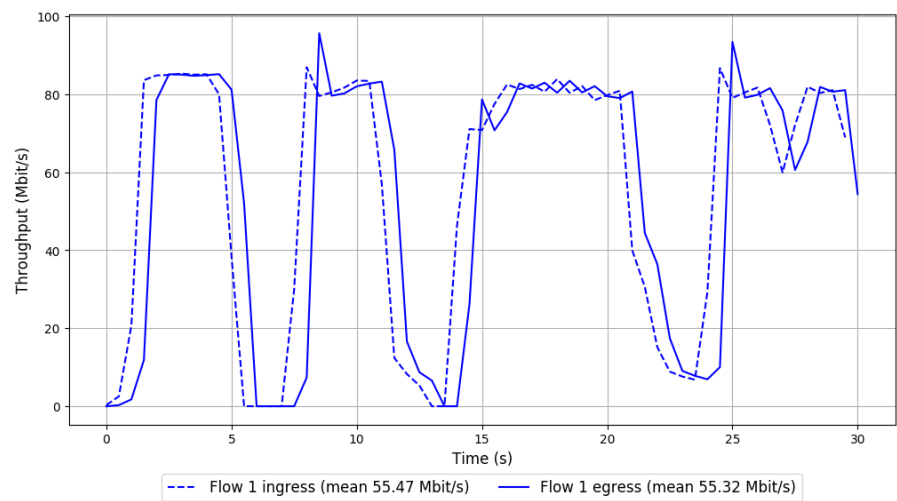
-- Flow 1:

Average throughput: 55.32 Mbit/s

95th percentile per-packet one-way delay: 86.730 ms

Loss rate: 0.86%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2018-06-18 20:07:42

End at: 2018-06-18 20:08:12

Local clock offset: 0.154 ms

Remote clock offset: -0.296 ms

Below is generated by plot.py at 2018-06-18 23:10:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 63.55 Mbit/s

95th percentile per-packet one-way delay: 86.199 ms

Loss rate: 0.77%

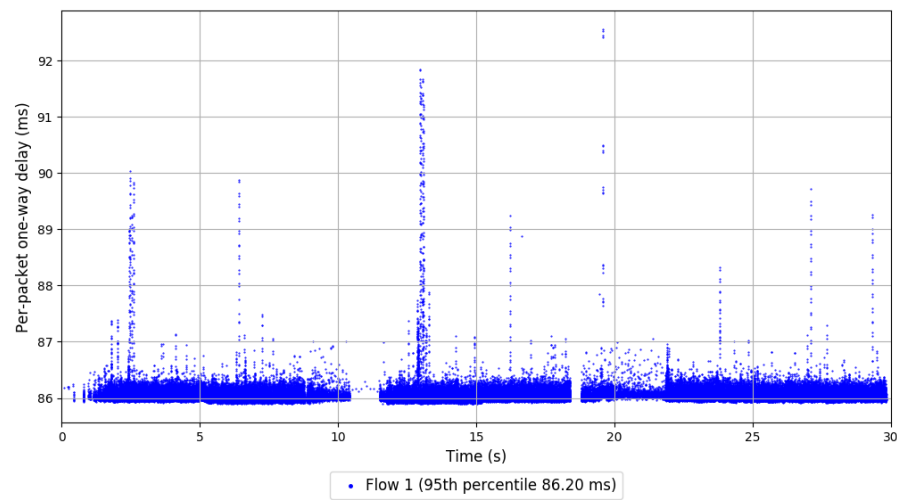
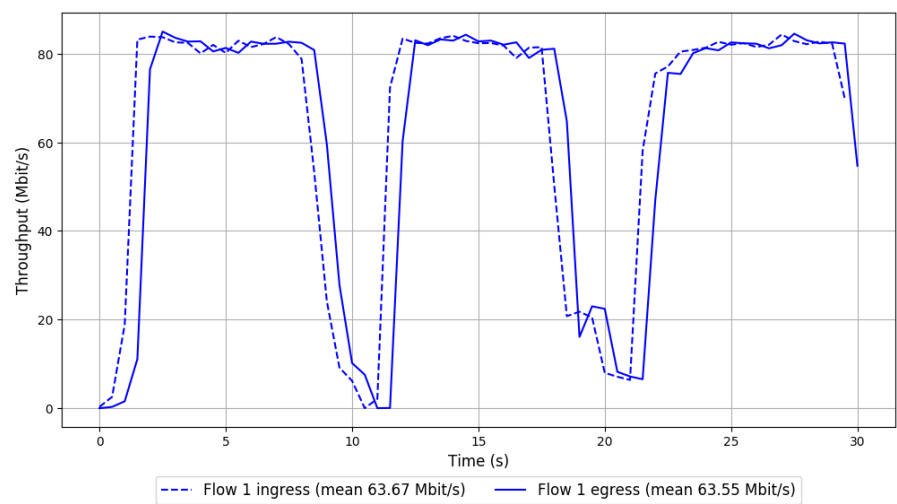
-- Flow 1:

Average throughput: 63.55 Mbit/s

95th percentile per-packet one-way delay: 86.199 ms

Loss rate: 0.77%

Run 5: Report of QUIC Cubic — Data Link



Run 6: Statistics of QUIC Cubic

Start at: 2018-06-18 20:28:16

End at: 2018-06-18 20:28:46

Local clock offset: 0.139 ms

Remote clock offset: -0.459 ms

Below is generated by plot.py at 2018-06-18 23:10:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 59.99 Mbit/s

95th percentile per-packet one-way delay: 86.836 ms

Loss rate: 0.81%

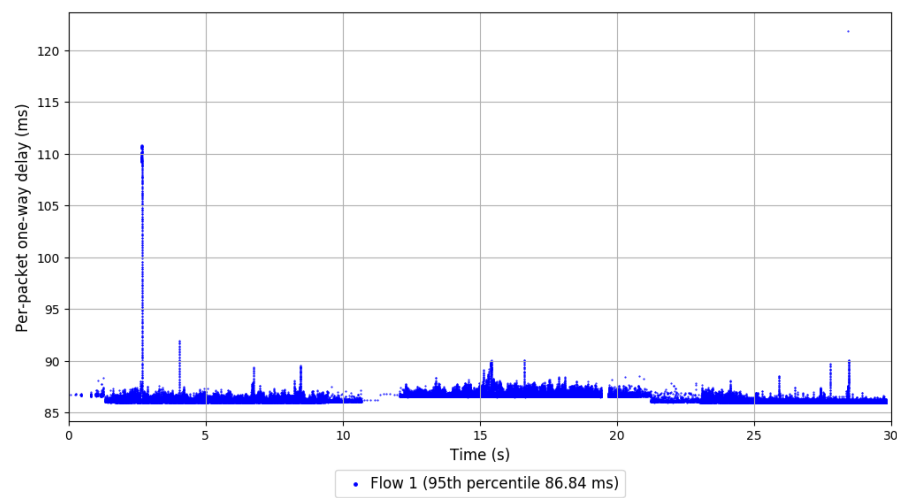
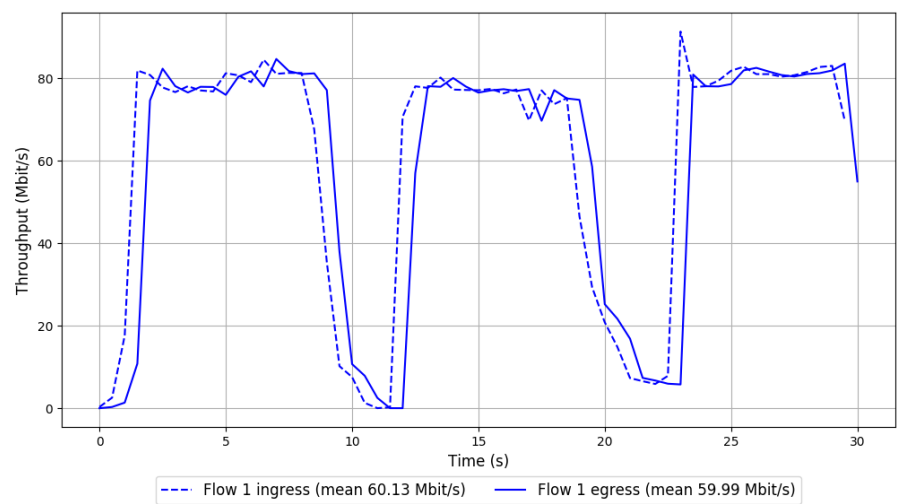
-- Flow 1:

Average throughput: 59.99 Mbit/s

95th percentile per-packet one-way delay: 86.836 ms

Loss rate: 0.81%

Run 6: Report of QUIC Cubic — Data Link



Run 7: Statistics of QUIC Cubic

Start at: 2018-06-18 20:48:42

End at: 2018-06-18 20:49:12

Local clock offset: 0.089 ms

Remote clock offset: -0.47 ms

Below is generated by plot.py at 2018-06-18 23:10:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 54.01 Mbit/s

95th percentile per-packet one-way delay: 86.277 ms

Loss rate: 0.84%

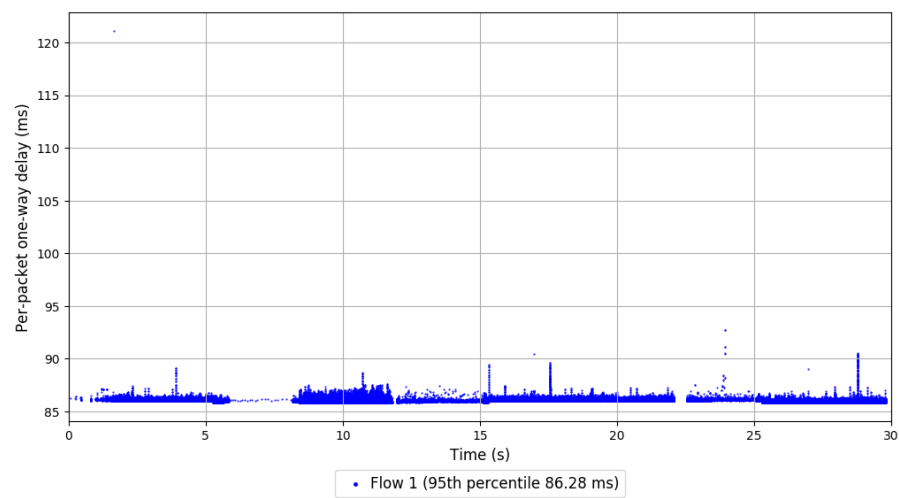
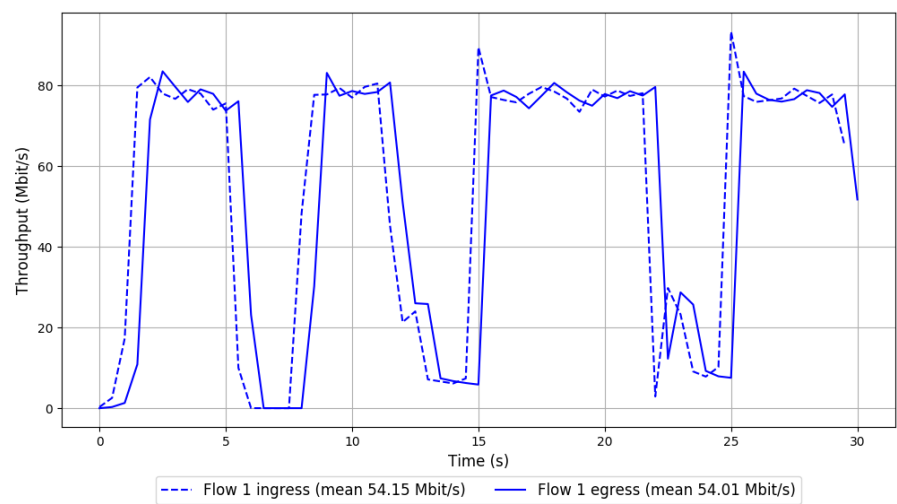
-- Flow 1:

Average throughput: 54.01 Mbit/s

95th percentile per-packet one-way delay: 86.277 ms

Loss rate: 0.84%

Run 7: Report of QUIC Cubic — Data Link

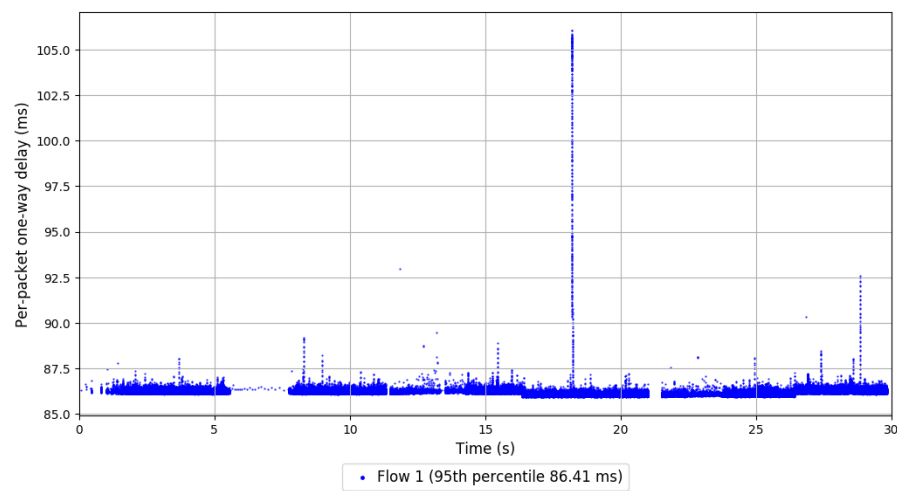
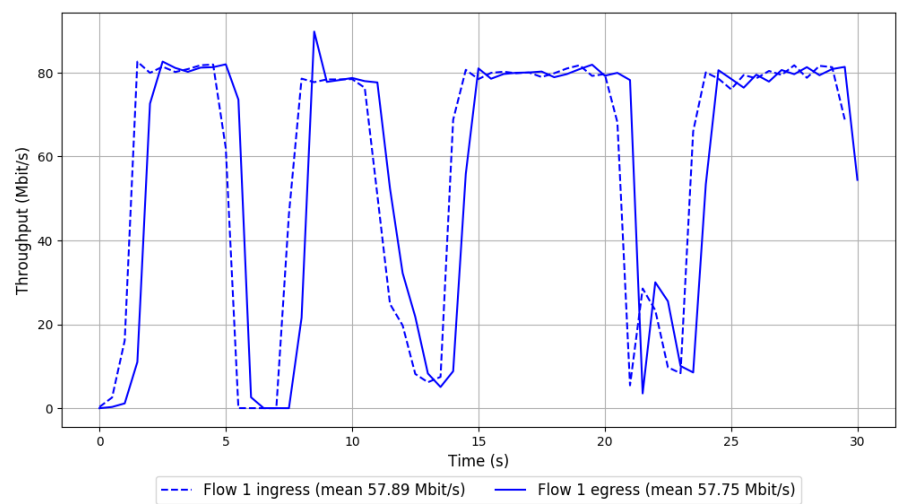


Run 8: Statistics of QUIC Cubic

Start at: 2018-06-18 21:09:01
End at: 2018-06-18 21:09:31
Local clock offset: 0.175 ms
Remote clock offset: -0.538 ms

Below is generated by plot.py at 2018-06-18 23:10:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 57.75 Mbit/s
95th percentile per-packet one-way delay: 86.406 ms
Loss rate: 0.82%
-- Flow 1:
Average throughput: 57.75 Mbit/s
95th percentile per-packet one-way delay: 86.406 ms
Loss rate: 0.82%

Run 8: Report of QUIC Cubic — Data Link



Run 9: Statistics of QUIC Cubic

Start at: 2018-06-18 21:29:36

End at: 2018-06-18 21:30:06

Local clock offset: 0.266 ms

Remote clock offset: -0.573 ms

Below is generated by plot.py at 2018-06-18 23:10:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 57.35 Mbit/s

95th percentile per-packet one-way delay: 86.394 ms

Loss rate: 0.75%

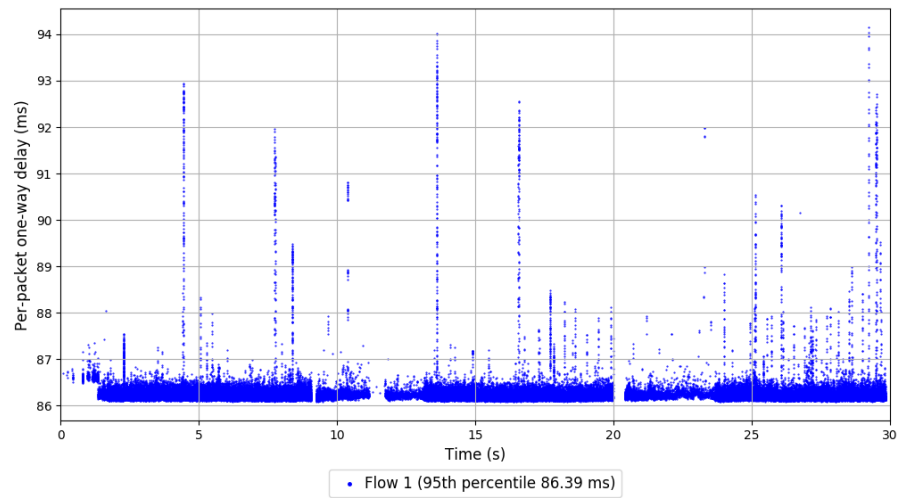
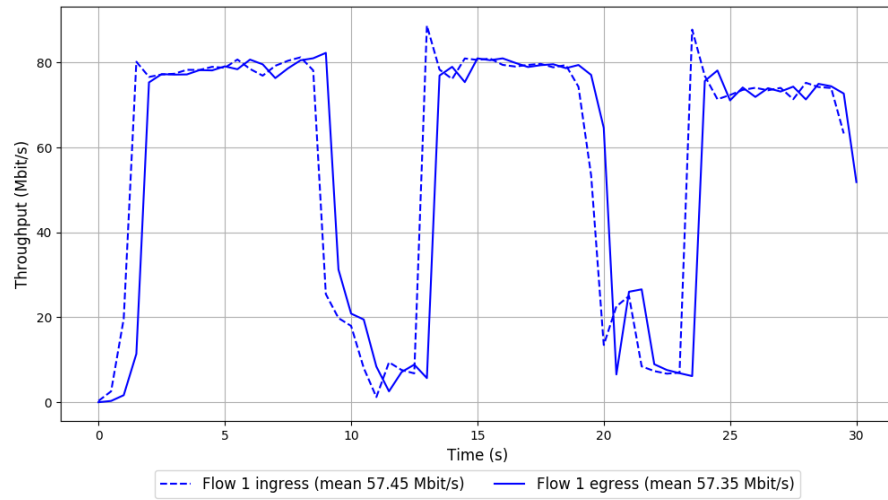
-- Flow 1:

Average throughput: 57.35 Mbit/s

95th percentile per-packet one-way delay: 86.394 ms

Loss rate: 0.75%

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

Start at: 2018-06-18 21:50:10

End at: 2018-06-18 21:50:40

Local clock offset: 0.372 ms

Remote clock offset: -0.601 ms

Below is generated by plot.py at 2018-06-18 23:10:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 58.39 Mbit/s

95th percentile per-packet one-way delay: 86.961 ms

Loss rate: 0.81%

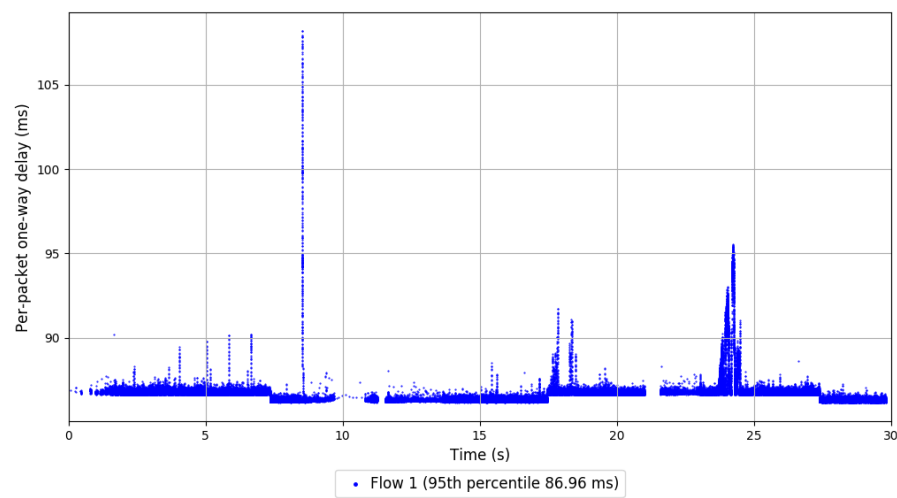
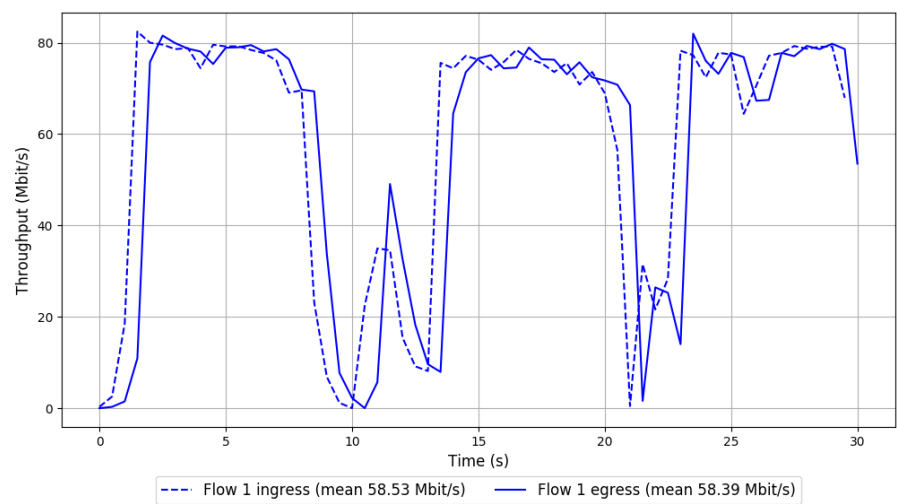
-- Flow 1:

Average throughput: 58.39 Mbit/s

95th percentile per-packet one-way delay: 86.961 ms

Loss rate: 0.81%

Run 10: Report of QUIC Cubic — Data Link

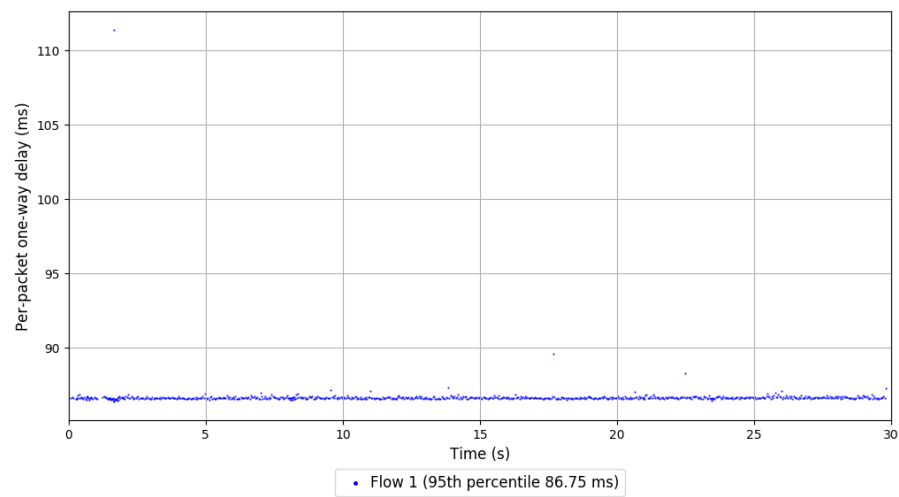
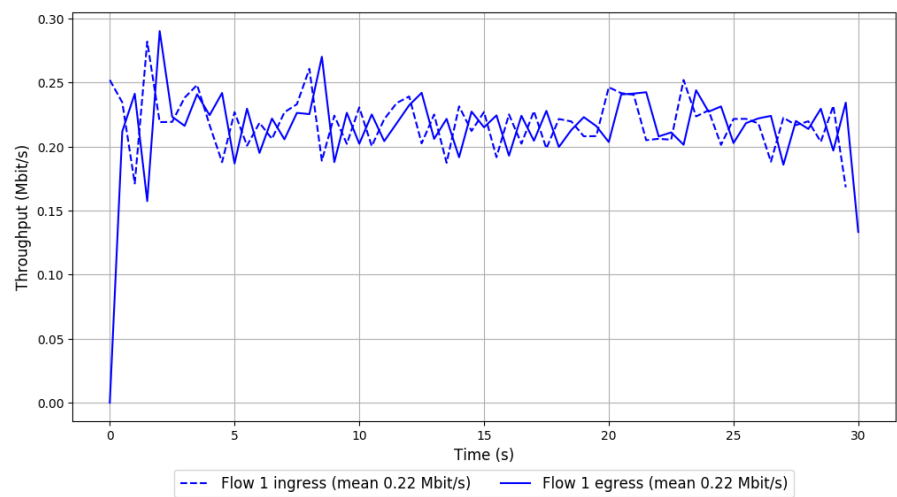


```
Run 1: Statistics of SCReAM

Start at: 2018-06-18 18:47:04
End at: 2018-06-18 18:47:34
Local clock offset: -0.019 ms
Remote clock offset: 0.063 ms

# Below is generated by plot.py at 2018-06-18 23:10:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.750 ms
Loss rate: 0.52%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.750 ms
Loss rate: 0.52%
```

Run 1: Report of SReAM — Data Link

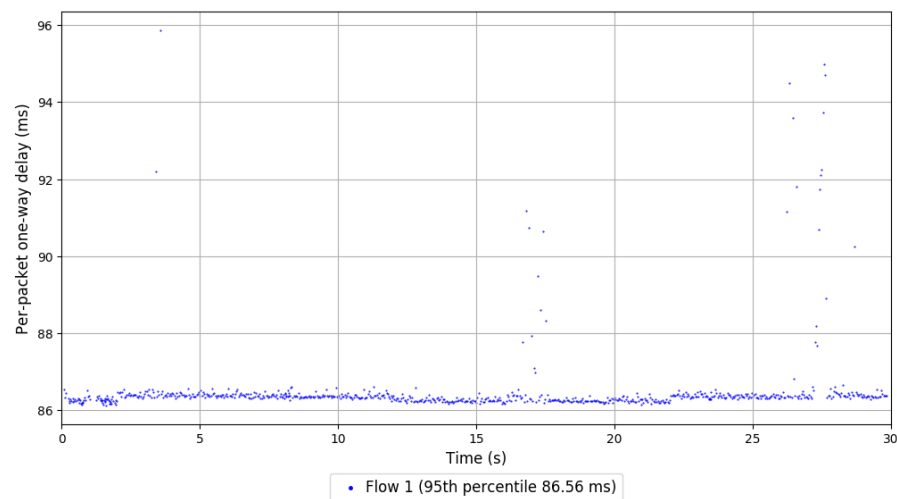
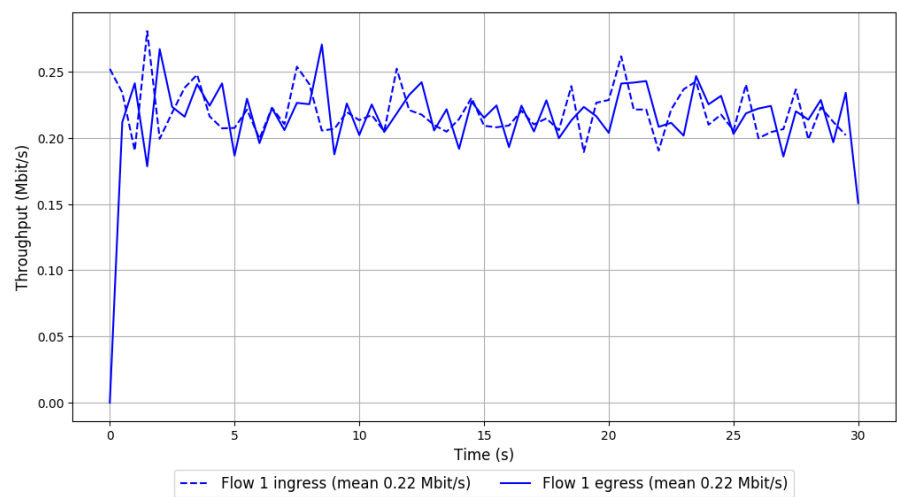


Run 2: Statistics of SCReAM

Start at: 2018-06-18 19:07:15
End at: 2018-06-18 19:07:45
Local clock offset: 0.145 ms
Remote clock offset: -0.022 ms

Below is generated by plot.py at 2018-06-18 23:10:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.563 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.563 ms
Loss rate: 0.64%

Run 2: Report of SReAM — Data Link

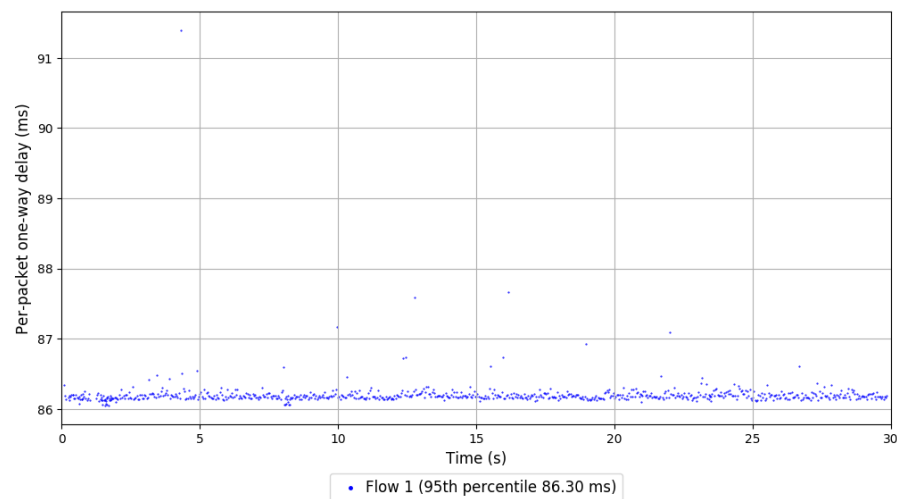
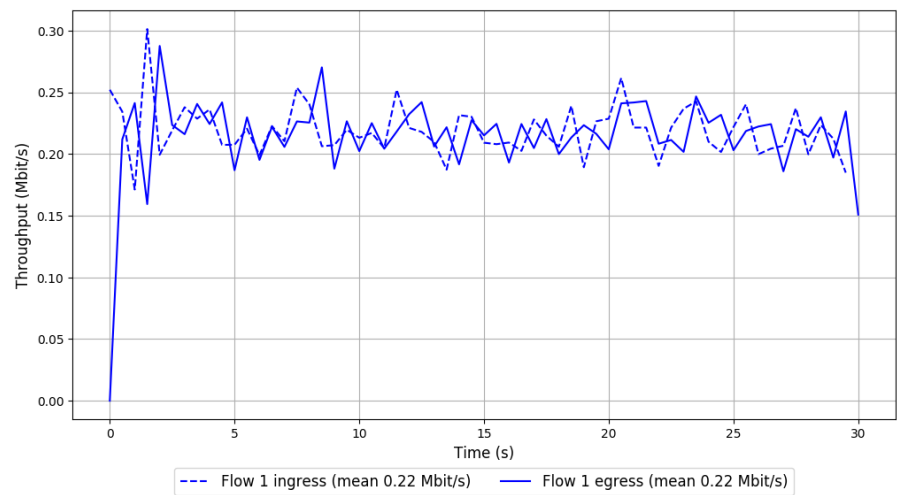


Run 3: Statistics of SCReAM

Start at: 2018-06-18 19:27:41
End at: 2018-06-18 19:28:11
Local clock offset: 0.164 ms
Remote clock offset: -0.078 ms

Below is generated by plot.py at 2018-06-18 23:10:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.298 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.298 ms
Loss rate: 0.51%

Run 3: Report of SReAM — Data Link

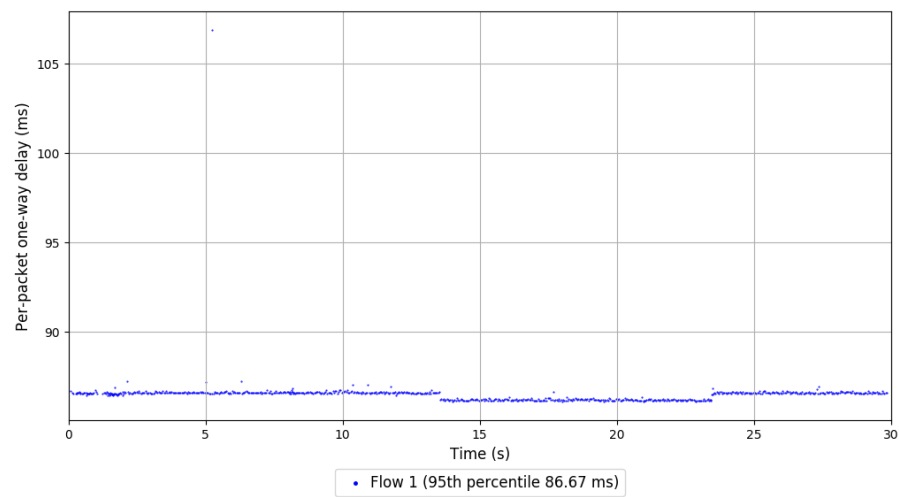
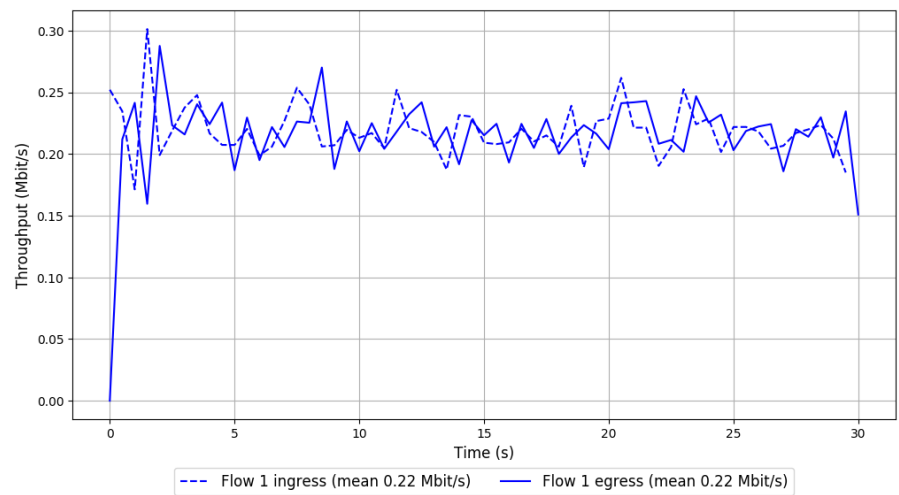


Run 4: Statistics of SCReAM

Start at: 2018-06-18 19:48:14
End at: 2018-06-18 19:48:44
Local clock offset: 0.142 ms
Remote clock offset: -0.208 ms

Below is generated by plot.py at 2018-06-18 23:10:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.668 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.668 ms
Loss rate: 0.51%

Run 4: Report of SReAM — Data Link

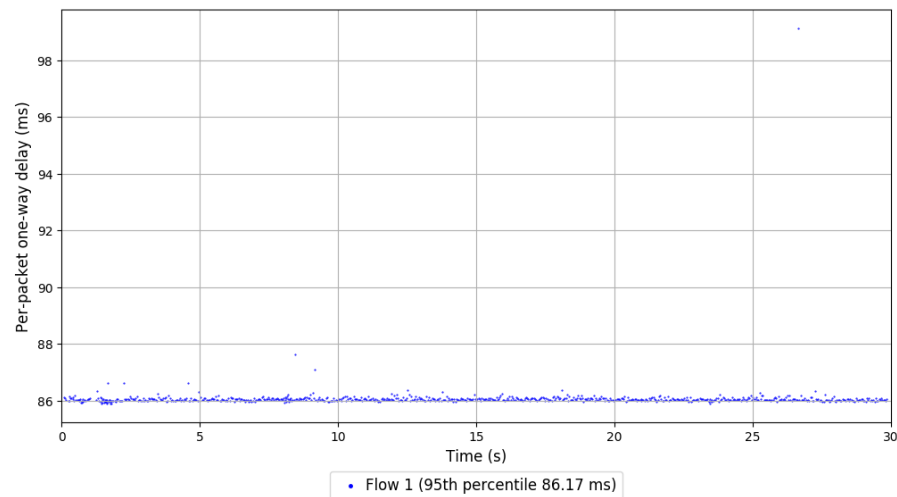
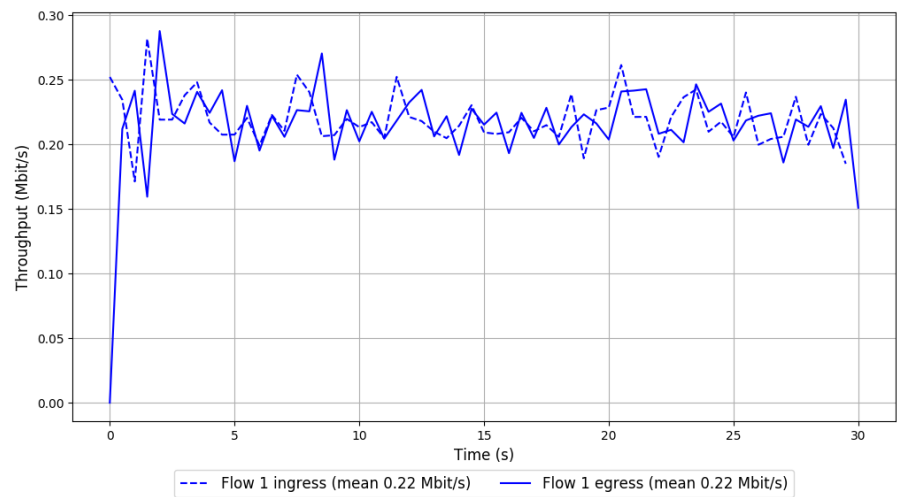


Run 5: Statistics of SCReAM

Start at: 2018-06-18 20:08:53
End at: 2018-06-18 20:09:23
Local clock offset: 0.03 ms
Remote clock offset: -0.265 ms

Below is generated by plot.py at 2018-06-18 23:10:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.166 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.166 ms
Loss rate: 0.51%

Run 5: Report of SReAM — Data Link

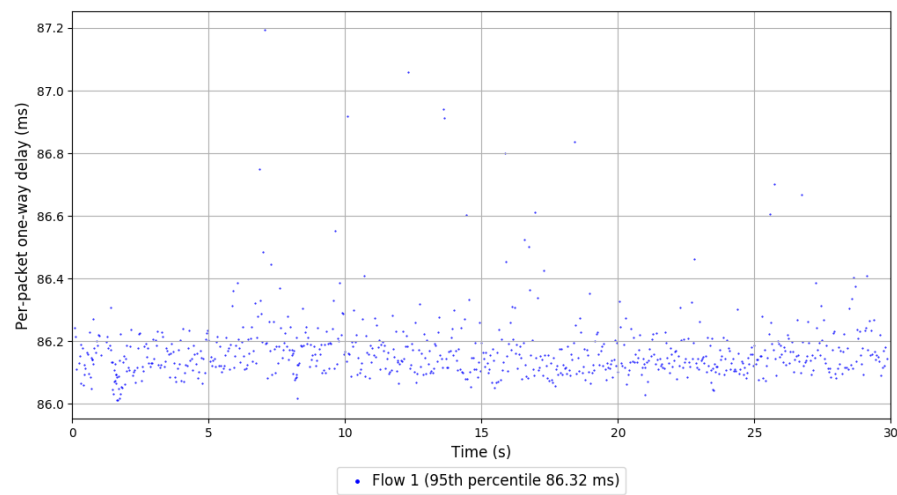
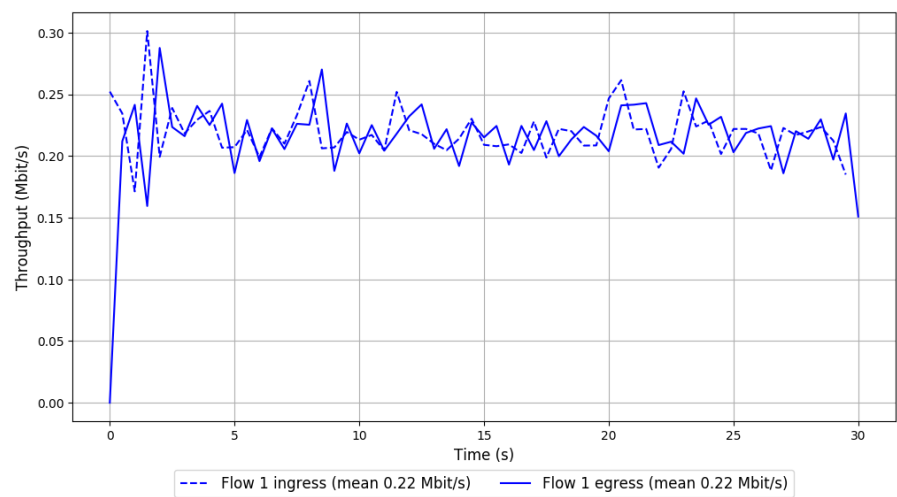


Run 6: Statistics of SCReAM

Start at: 2018-06-18 20:29:26
End at: 2018-06-18 20:29:56
Local clock offset: 0.181 ms
Remote clock offset: -0.359 ms

Below is generated by plot.py at 2018-06-18 23:10:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.324 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.324 ms
Loss rate: 0.51%

Run 6: Report of SReAM — Data Link



Run 7: Statistics of SCReAM

Start at: 2018-06-18 20:49:52

End at: 2018-06-18 20:50:22

Local clock offset: 0.257 ms

Remote clock offset: -0.38 ms

Below is generated by plot.py at 2018-06-18 23:10:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 86.378 ms

Loss rate: 0.64%

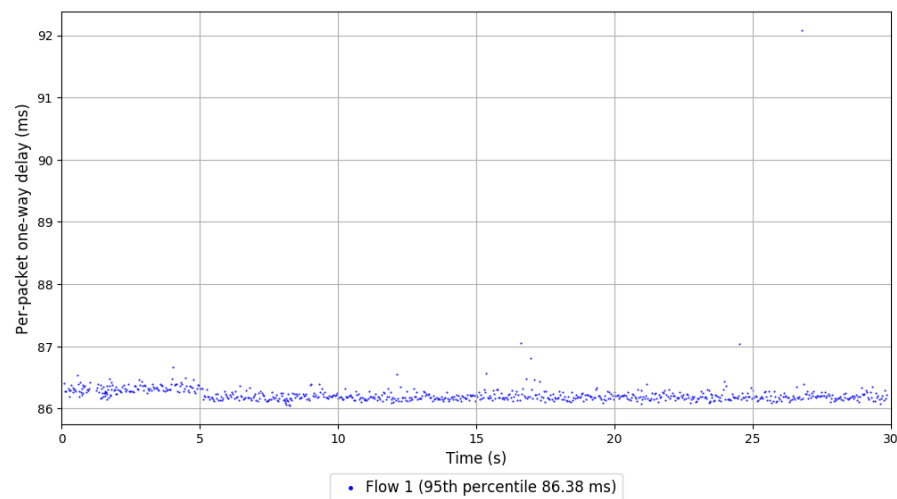
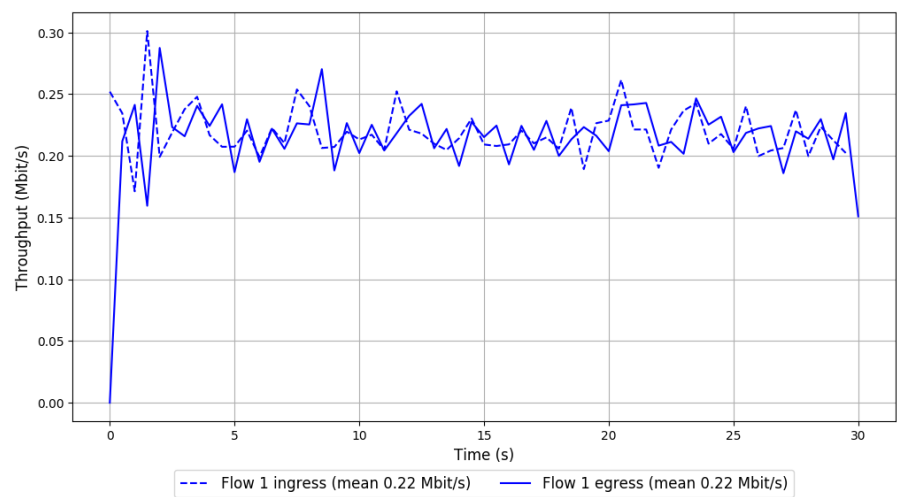
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 86.378 ms

Loss rate: 0.64%

Run 7: Report of SReAM — Data Link

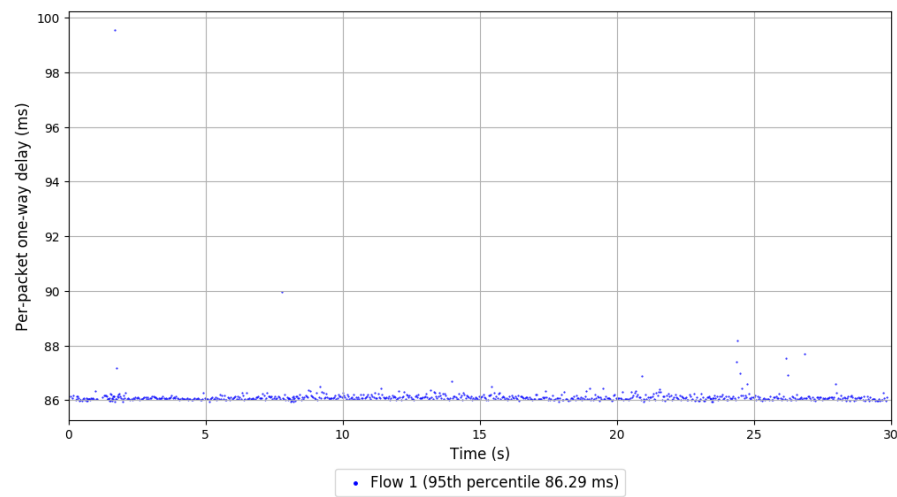
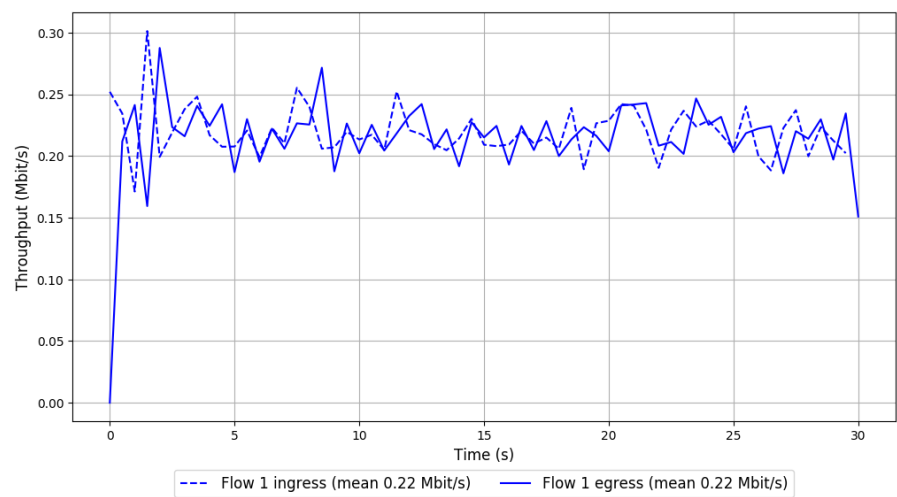


Run 8: Statistics of SCReAM

Start at: 2018-06-18 21:10:11
End at: 2018-06-18 21:10:41
Local clock offset: 0.079 ms
Remote clock offset: -0.481 ms

Below is generated by plot.py at 2018-06-18 23:10:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.286 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.286 ms
Loss rate: 0.64%

Run 8: Report of SReAM — Data Link

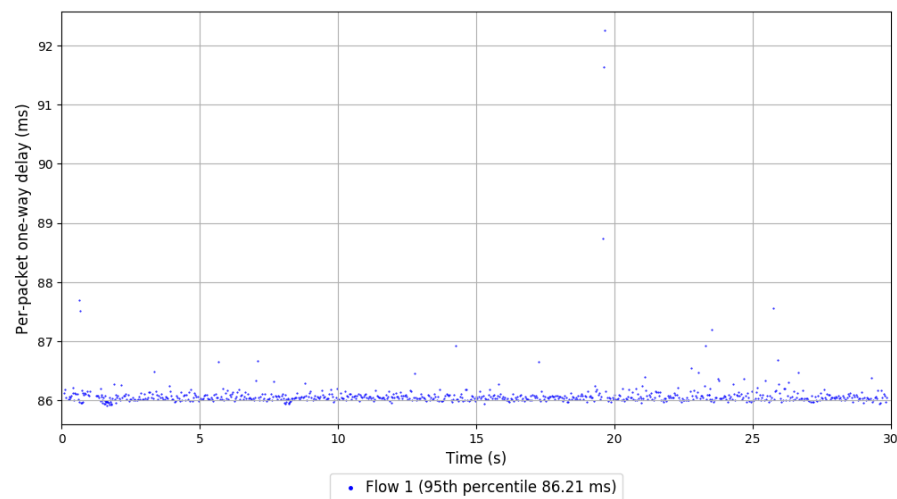
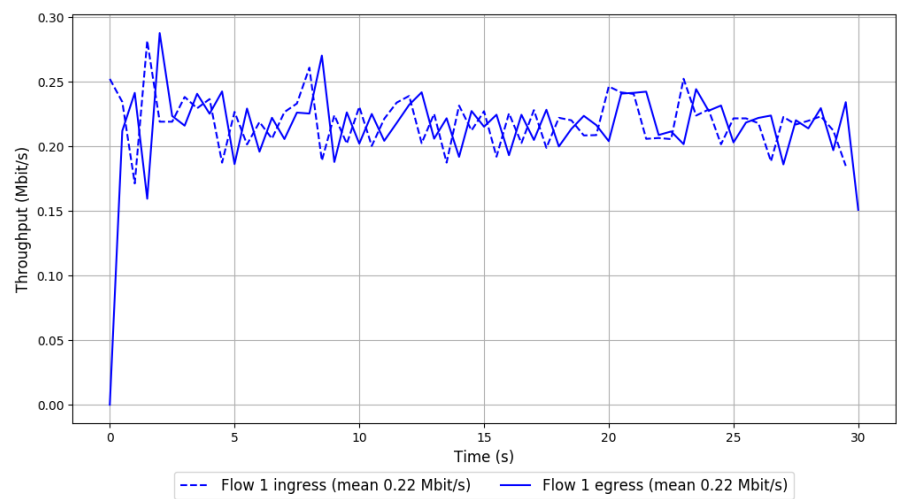


Run 9: Statistics of SCReAM

Start at: 2018-06-18 21:30:46
End at: 2018-06-18 21:31:16
Local clock offset: -0.006 ms
Remote clock offset: -0.551 ms

Below is generated by plot.py at 2018-06-18 23:10:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.211 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.211 ms
Loss rate: 0.51%

Run 9: Report of SReAM — Data Link

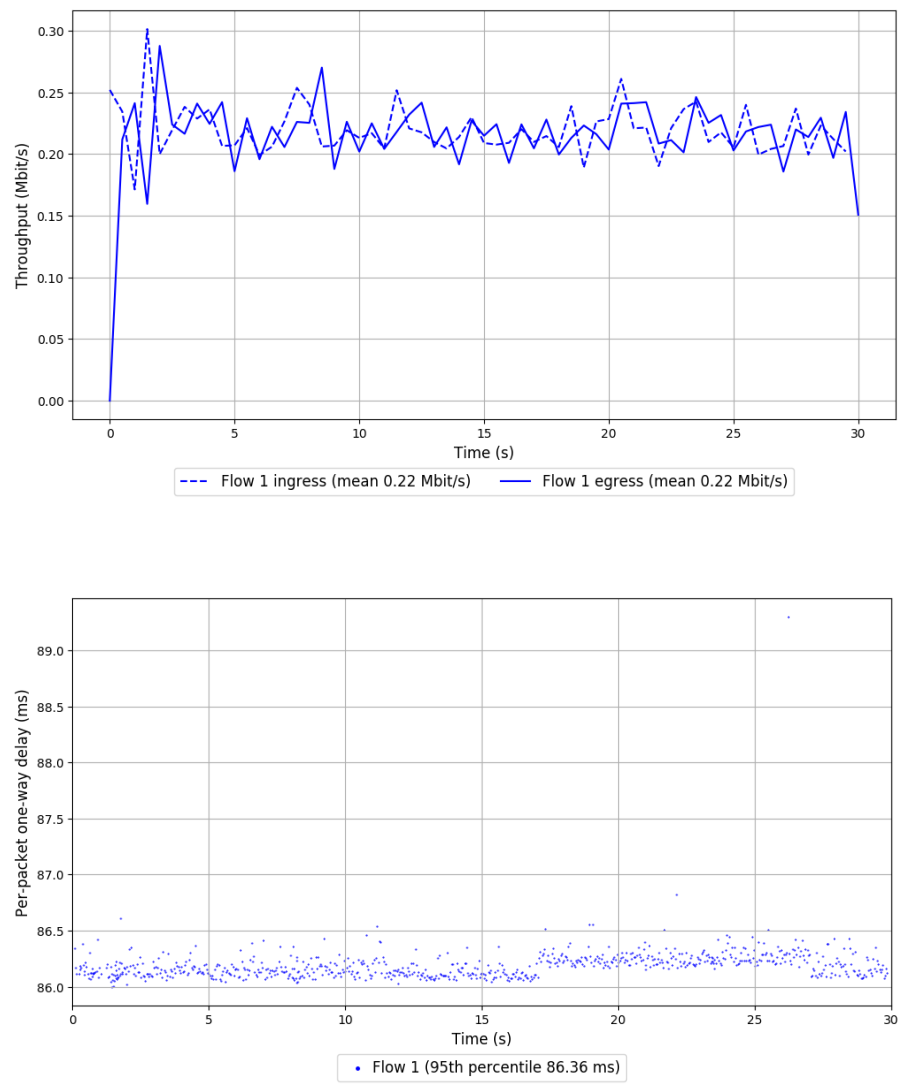


Run 10: Statistics of SReAM

Start at: 2018-06-18 21:51:20
End at: 2018-06-18 21:51:51
Local clock offset: 0.072 ms
Remote clock offset: -0.631 ms

Below is generated by plot.py at 2018-06-18 23:10:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.358 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.358 ms
Loss rate: 0.64%

Run 10: Report of SCRaM — Data Link

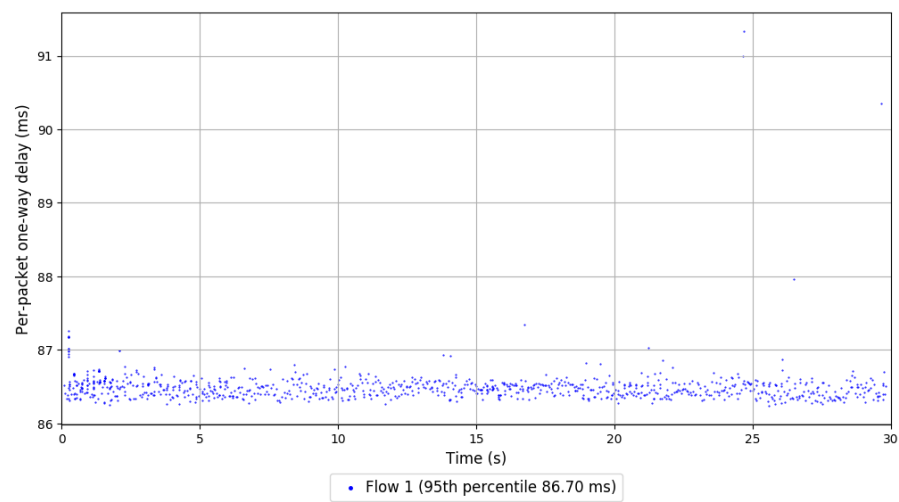
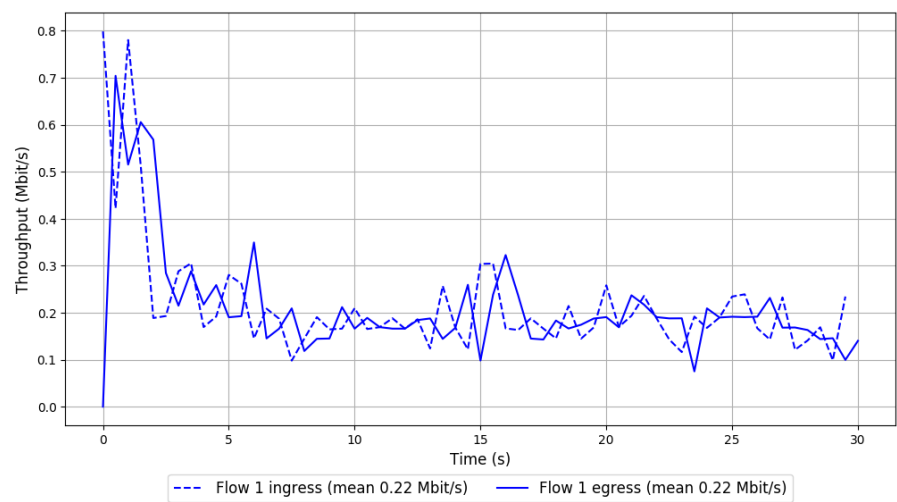


Run 1: Statistics of Sprout

Start at: 2018-06-18 18:59:38
End at: 2018-06-18 19:00:08
Local clock offset: 0.206 ms
Remote clock offset: -0.067 ms

Below is generated by plot.py at 2018-06-18 23:10:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.703 ms
Loss rate: 1.07%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.703 ms
Loss rate: 1.07%

Run 1: Report of Sprout — Data Link

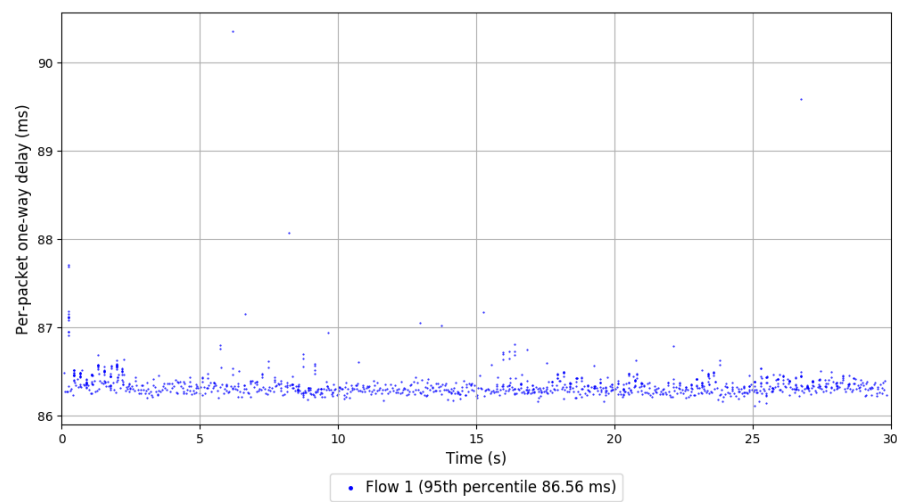
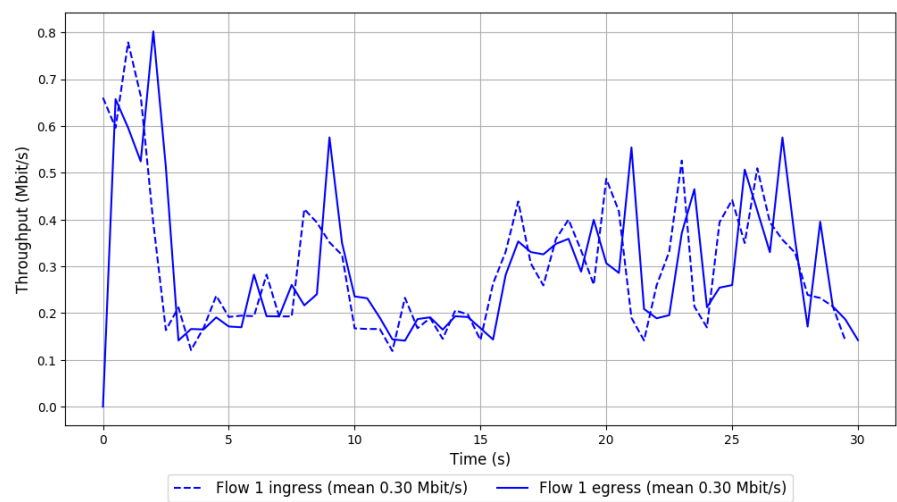


Run 2: Statistics of Sprout

Start at: 2018-06-18 19:20:00
End at: 2018-06-18 19:20:30
Local clock offset: 0.201 ms
Remote clock offset: -0.019 ms

Below is generated by plot.py at 2018-06-18 23:10:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.30 Mbit/s
95th percentile per-packet one-way delay: 86.559 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 0.30 Mbit/s
95th percentile per-packet one-way delay: 86.559 ms
Loss rate: 0.27%

Run 2: Report of Sprout — Data Link

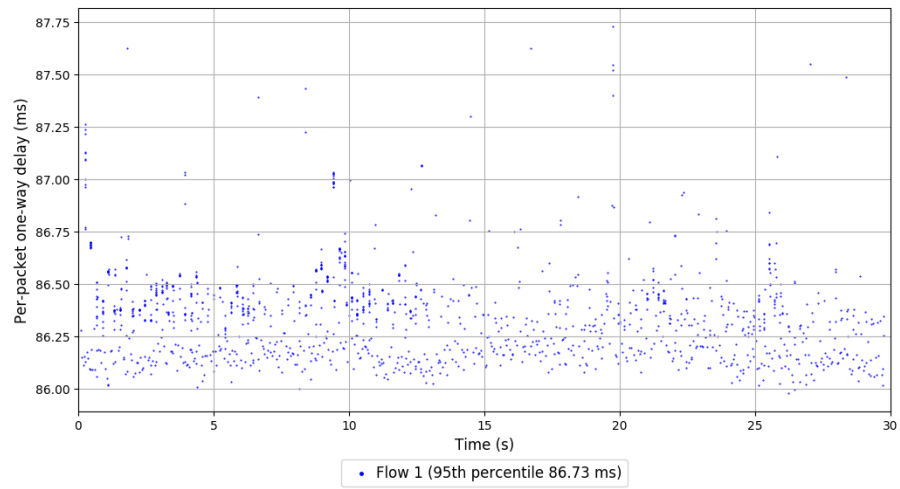
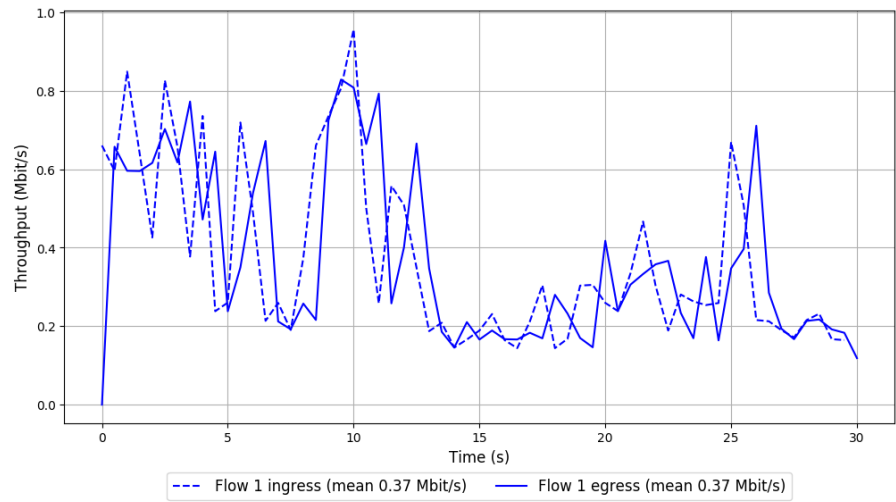


Run 3: Statistics of Sprout

Start at: 2018-06-18 19:40:34
End at: 2018-06-18 19:41:04
Local clock offset: 0.153 ms
Remote clock offset: -0.158 ms

Below is generated by plot.py at 2018-06-18 23:10:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.37 Mbit/s
95th percentile per-packet one-way delay: 86.729 ms
Loss rate: 0.32%
-- Flow 1:
Average throughput: 0.37 Mbit/s
95th percentile per-packet one-way delay: 86.729 ms
Loss rate: 0.32%

Run 3: Report of Sprout — Data Link



Run 4: Statistics of Sprout

Start at: 2018-06-18 20:01:11

End at: 2018-06-18 20:01:41

Local clock offset: 0.049 ms

Remote clock offset: -0.24 ms

Below is generated by plot.py at 2018-06-18 23:10:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 86.498 ms

Loss rate: 0.30%

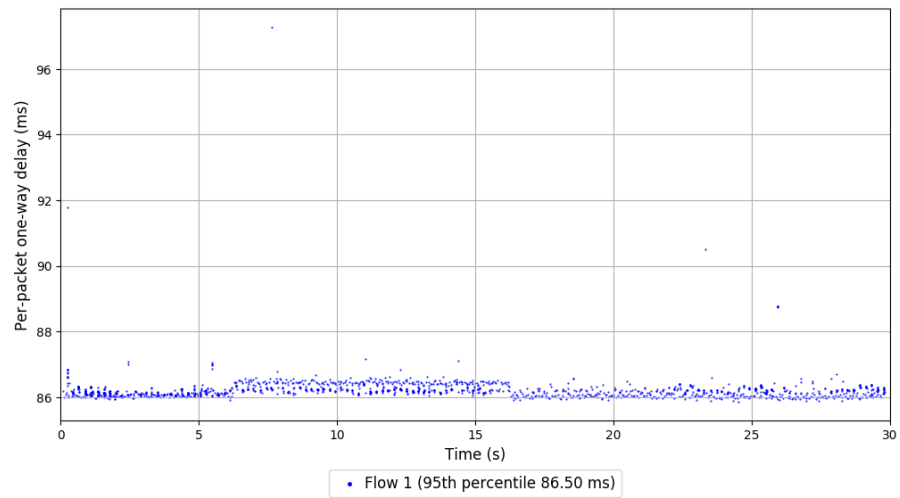
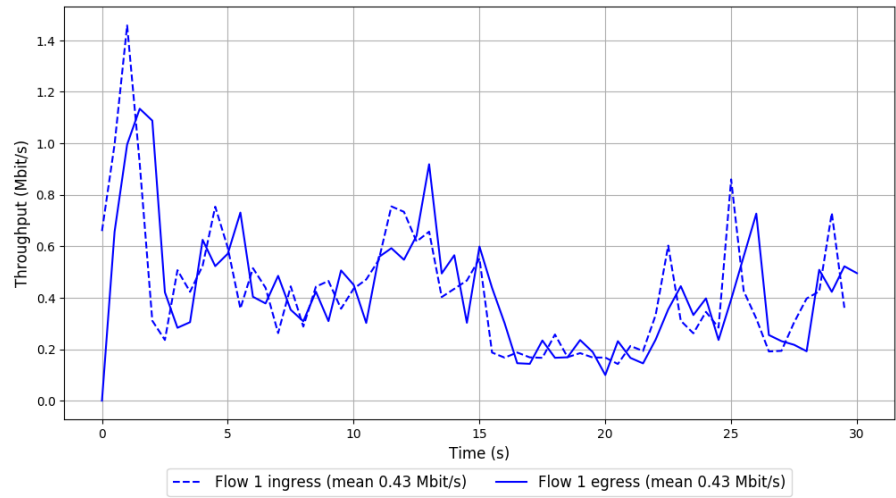
-- Flow 1:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 86.498 ms

Loss rate: 0.30%

Run 4: Report of Sprout — Data Link

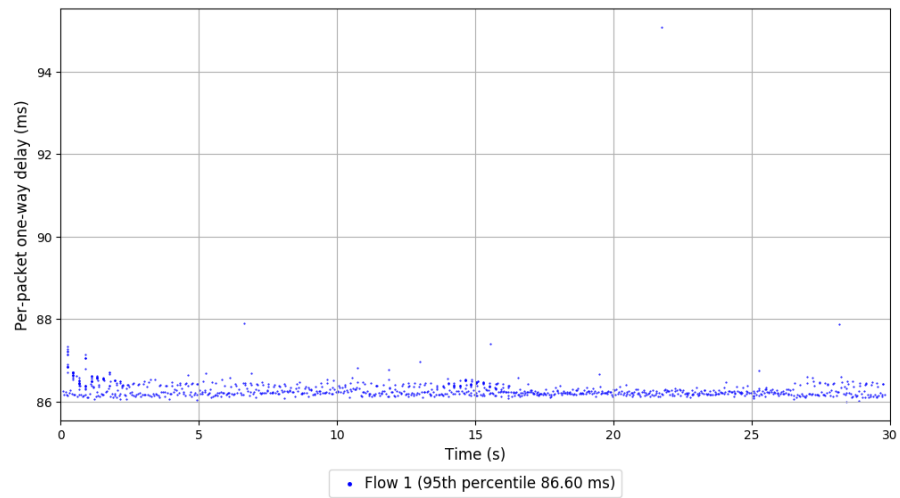
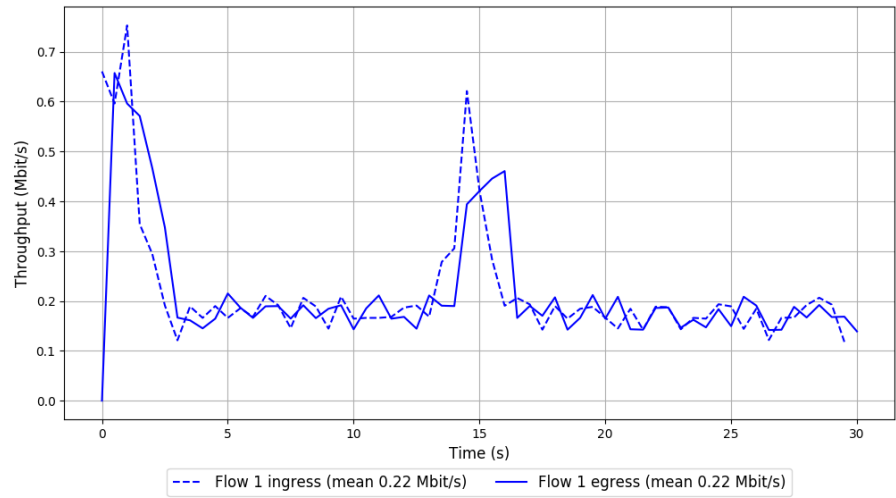


Run 5: Statistics of Sprout

Start at: 2018-06-18 20:21:51
End at: 2018-06-18 20:22:21
Local clock offset: 0.195 ms
Remote clock offset: -0.347 ms

Below is generated by plot.py at 2018-06-18 23:10:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.598 ms
Loss rate: 0.34%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.598 ms
Loss rate: 0.34%

Run 5: Report of Sprout — Data Link

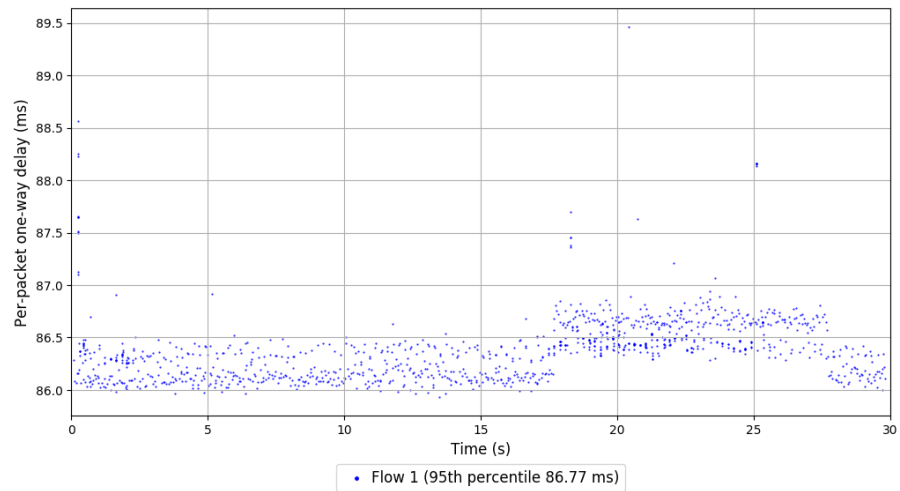
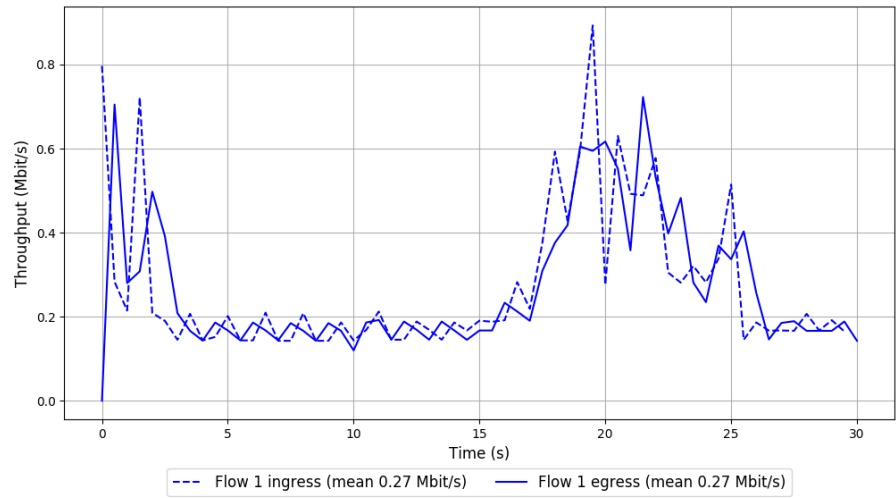


Run 6: Statistics of Sprout

Start at: 2018-06-18 20:42:20
End at: 2018-06-18 20:42:50
Local clock offset: 0.195 ms
Remote clock offset: -0.397 ms

Below is generated by plot.py at 2018-06-18 23:10:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.27 Mbit/s
95th percentile per-packet one-way delay: 86.767 ms
Loss rate: 0.42%
-- Flow 1:
Average throughput: 0.27 Mbit/s
95th percentile per-packet one-way delay: 86.767 ms
Loss rate: 0.42%

Run 6: Report of Sprout — Data Link

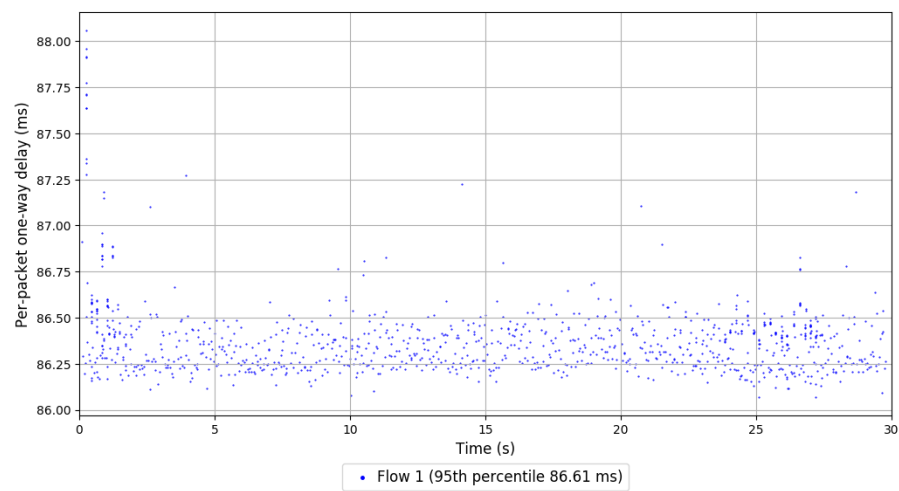
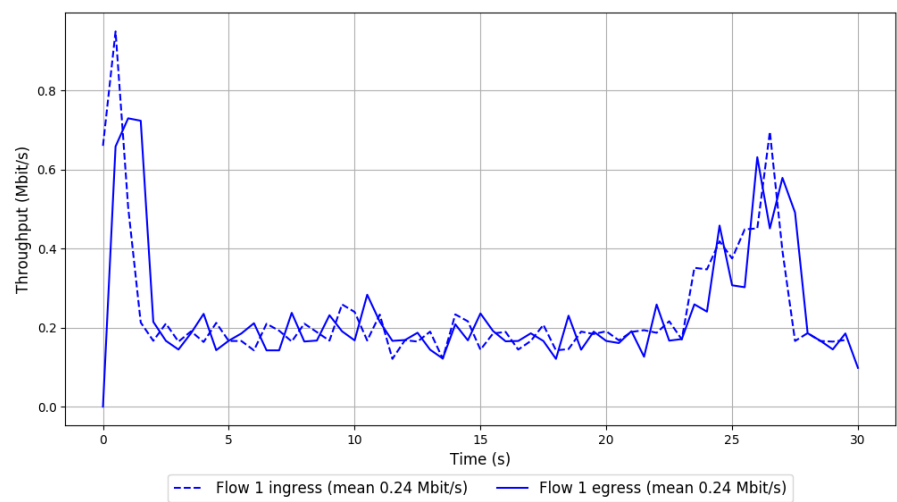


Run 7: Statistics of Sprout

Start at: 2018-06-18 21:02:34
End at: 2018-06-18 21:03:04
Local clock offset: 0.309 ms
Remote clock offset: -0.435 ms

Below is generated by plot.py at 2018-06-18 23:10:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.24 Mbit/s
95th percentile per-packet one-way delay: 86.615 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 0.24 Mbit/s
95th percentile per-packet one-way delay: 86.615 ms
Loss rate: 0.64%

Run 7: Report of Sprout — Data Link



Run 8: Statistics of Sprout

Start at: 2018-06-18 21:23:07

End at: 2018-06-18 21:23:37

Local clock offset: 0.102 ms

Remote clock offset: -0.52 ms

Below is generated by plot.py at 2018-06-18 23:10:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.23 Mbit/s

95th percentile per-packet one-way delay: 86.378 ms

Loss rate: 0.49%

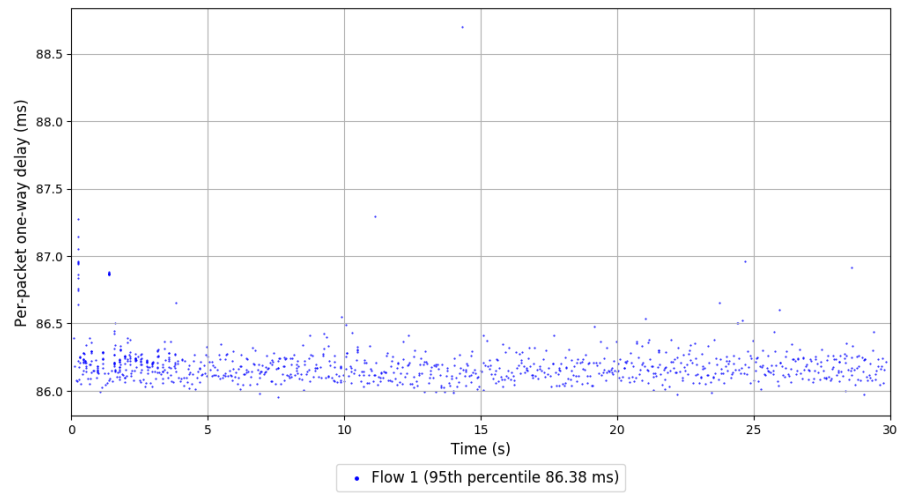
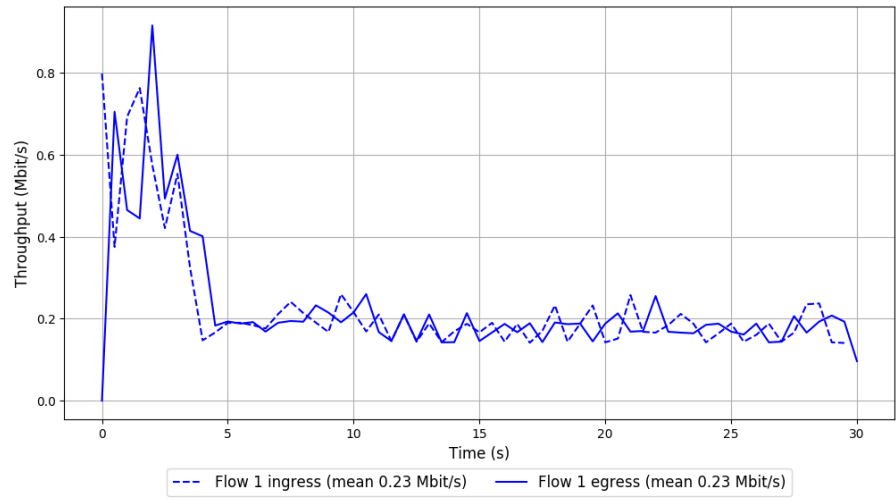
-- Flow 1:

Average throughput: 0.23 Mbit/s

95th percentile per-packet one-way delay: 86.378 ms

Loss rate: 0.49%

Run 8: Report of Sprout — Data Link

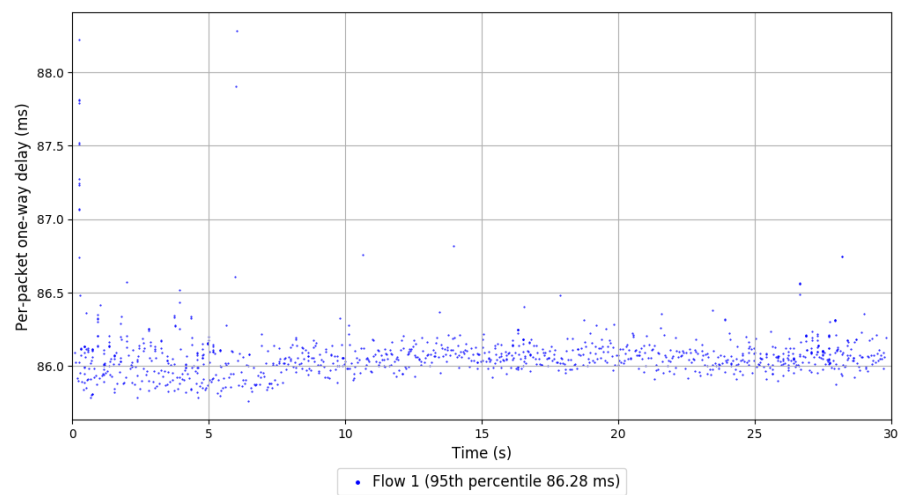
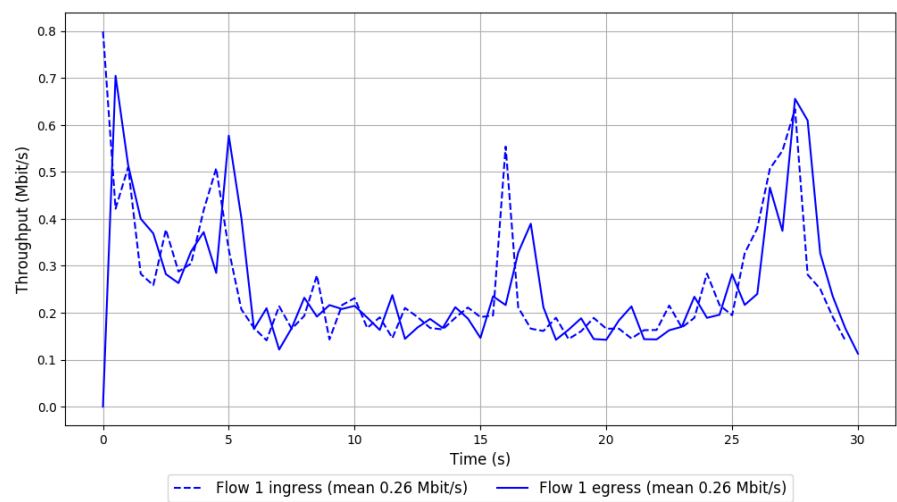


Run 9: Statistics of Sprout

Start at: 2018-06-18 21:43:40
End at: 2018-06-18 21:44:10
Local clock offset: -0.005 ms
Remote clock offset: -0.579 ms

Below is generated by plot.py at 2018-06-18 23:10:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.26 Mbit/s
95th percentile per-packet one-way delay: 86.282 ms
Loss rate: 0.46%
-- Flow 1:
Average throughput: 0.26 Mbit/s
95th percentile per-packet one-way delay: 86.282 ms
Loss rate: 0.46%

Run 9: Report of Sprout — Data Link

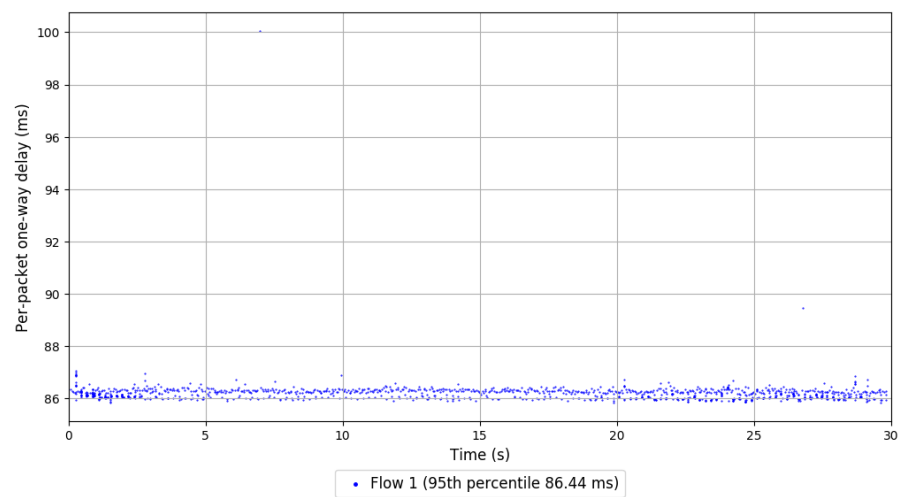
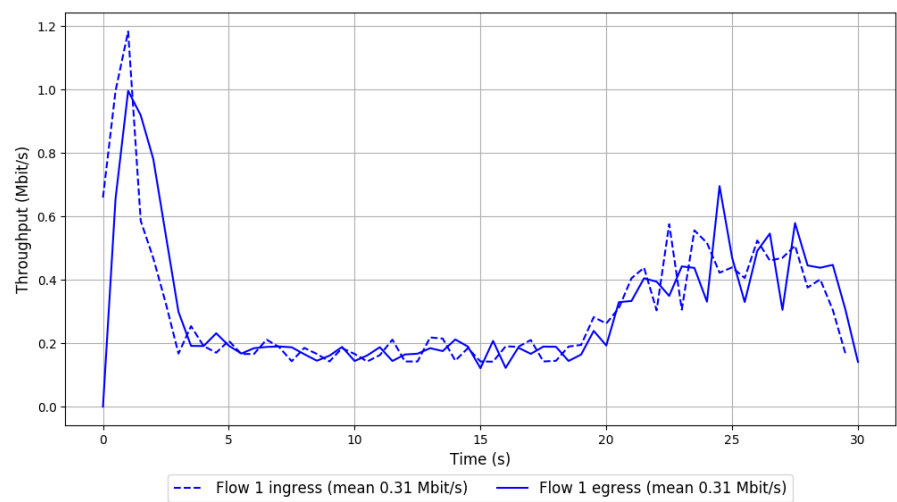


Run 10: Statistics of Sprout

Start at: 2018-06-18 22:04:12
End at: 2018-06-18 22:04:42
Local clock offset: -0.222 ms
Remote clock offset: -0.641 ms

Below is generated by plot.py at 2018-06-18 23:10:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.31 Mbit/s
95th percentile per-packet one-way delay: 86.442 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 0.31 Mbit/s
95th percentile per-packet one-way delay: 86.442 ms
Loss rate: 0.15%

Run 10: Report of Sprout — Data Link

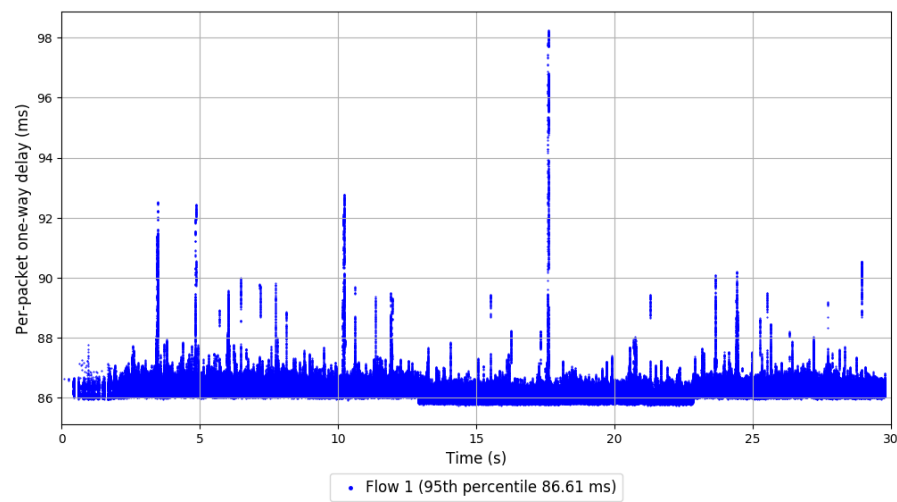
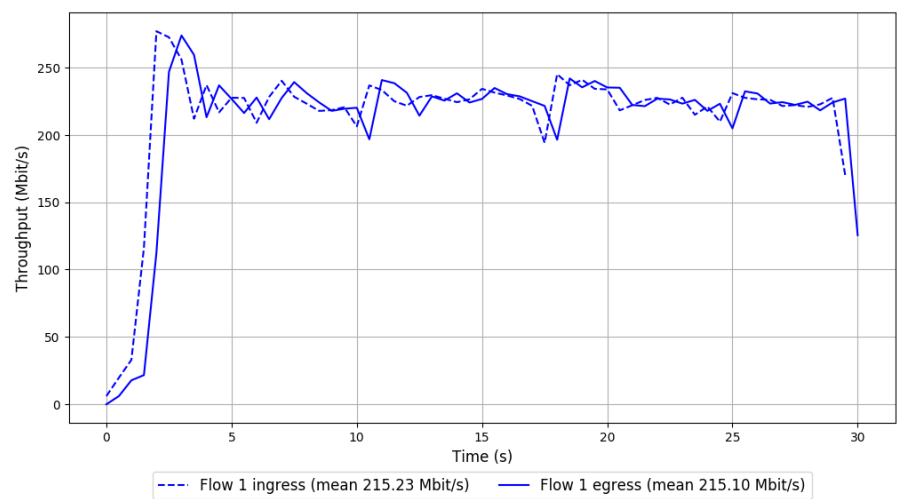


```
Run 1: Statistics of TaoVA-100x

Start at: 2018-06-18 18:49:35
End at: 2018-06-18 18:50:05
Local clock offset: -0.025 ms
Remote clock offset: 0.02 ms

# Below is generated by plot.py at 2018-06-18 23:12:00
# Datalink statistics
-- Total of 1 flow:
Average throughput: 215.10 Mbit/s
95th percentile per-packet one-way delay: 86.610 ms
Loss rate: 0.65%
-- Flow 1:
Average throughput: 215.10 Mbit/s
95th percentile per-packet one-way delay: 86.610 ms
Loss rate: 0.65%
```

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



Run 2: Statistics of TaoVA-100x

Start at: 2018-06-18 19:09:41

End at: 2018-06-18 19:10:11

Local clock offset: -0.041 ms

Remote clock offset: 0.013 ms

Below is generated by plot.py at 2018-06-18 23:12:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 224.79 Mbit/s

95th percentile per-packet one-way delay: 86.514 ms

Loss rate: 0.59%

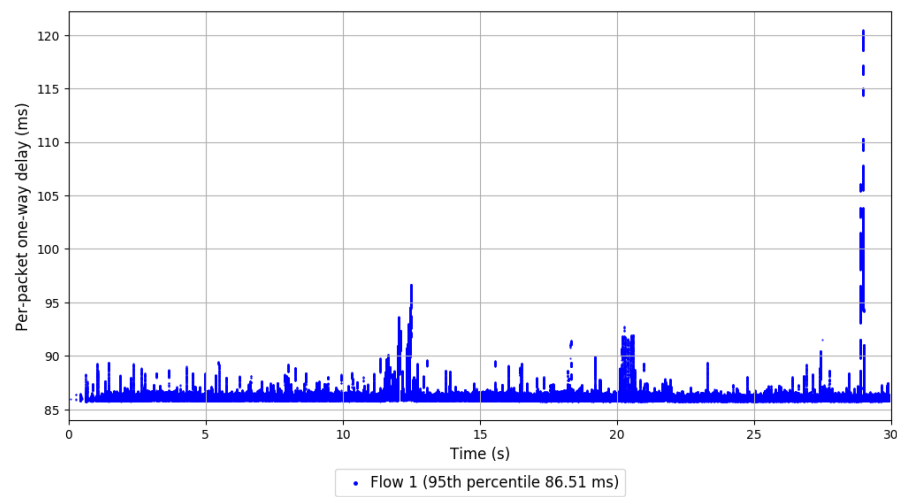
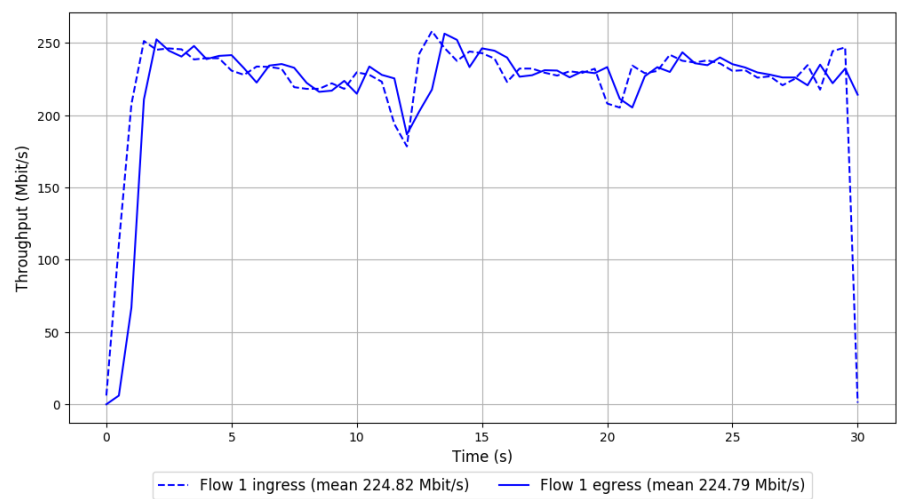
-- Flow 1:

Average throughput: 224.79 Mbit/s

95th percentile per-packet one-way delay: 86.514 ms

Loss rate: 0.59%

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

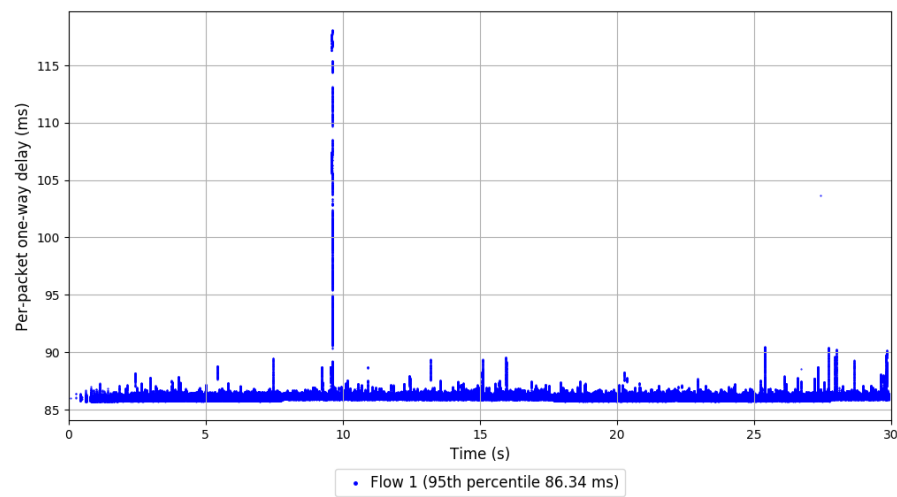
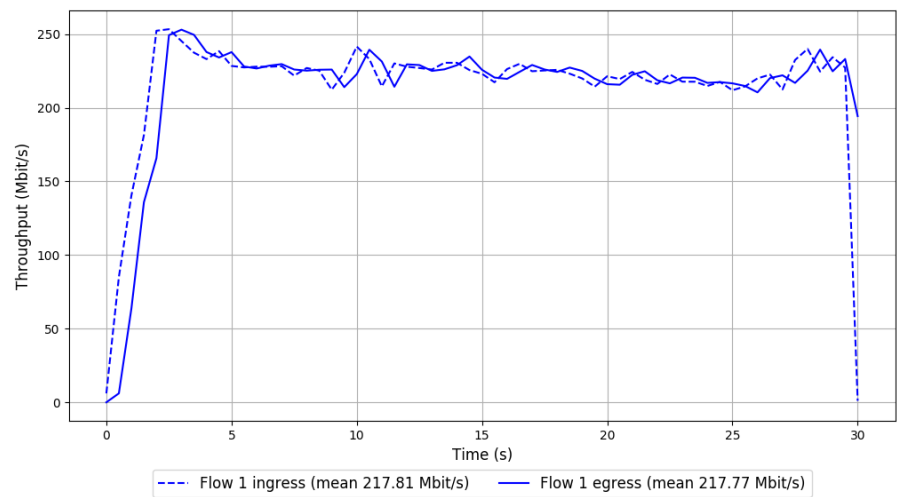


Run 3: Statistics of TaoVA-100x

Start at: 2018-06-18 19:30:10
End at: 2018-06-18 19:30:40
Local clock offset: -0.001 ms
Remote clock offset: -0.034 ms

Below is generated by plot.py at 2018-06-18 23:12:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 217.77 Mbit/s
95th percentile per-packet one-way delay: 86.340 ms
Loss rate: 0.60%
-- Flow 1:
Average throughput: 217.77 Mbit/s
95th percentile per-packet one-way delay: 86.340 ms
Loss rate: 0.60%

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



Run 4: Statistics of TaoVA-100x

Start at: 2018-06-18 19:50:44

End at: 2018-06-18 19:51:14

Local clock offset: 0.076 ms

Remote clock offset: -0.262 ms

Below is generated by plot.py at 2018-06-18 23:12:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 220.26 Mbit/s

95th percentile per-packet one-way delay: 86.497 ms

Loss rate: 0.62%

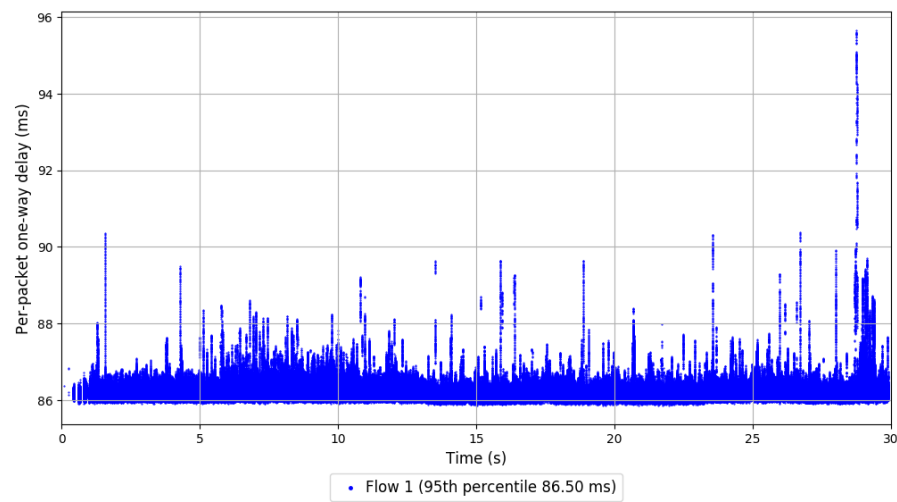
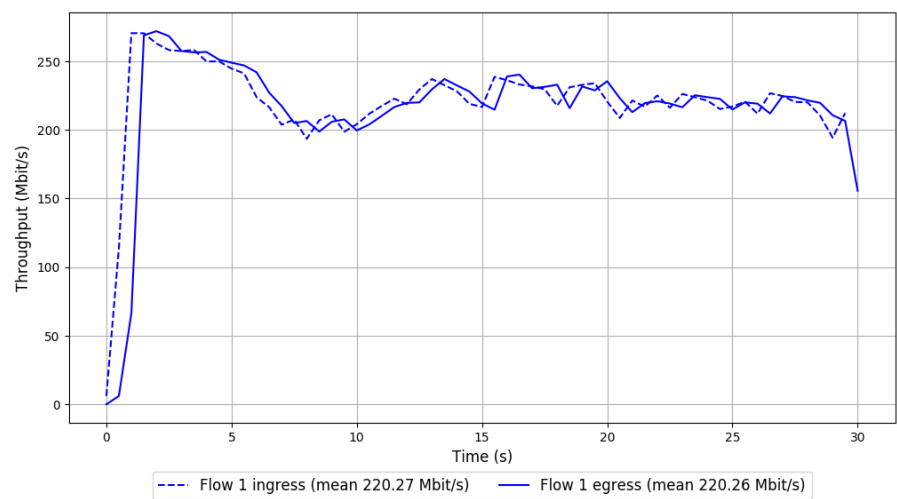
-- Flow 1:

Average throughput: 220.26 Mbit/s

95th percentile per-packet one-way delay: 86.497 ms

Loss rate: 0.62%

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



Run 5: Statistics of TaoVA-100x

Start at: 2018-06-18 20:11:22

End at: 2018-06-18 20:11:52

Local clock offset: 0.163 ms

Remote clock offset: -0.277 ms

Below is generated by plot.py at 2018-06-18 23:12:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 224.12 Mbit/s

95th percentile per-packet one-way delay: 86.427 ms

Loss rate: 0.65%

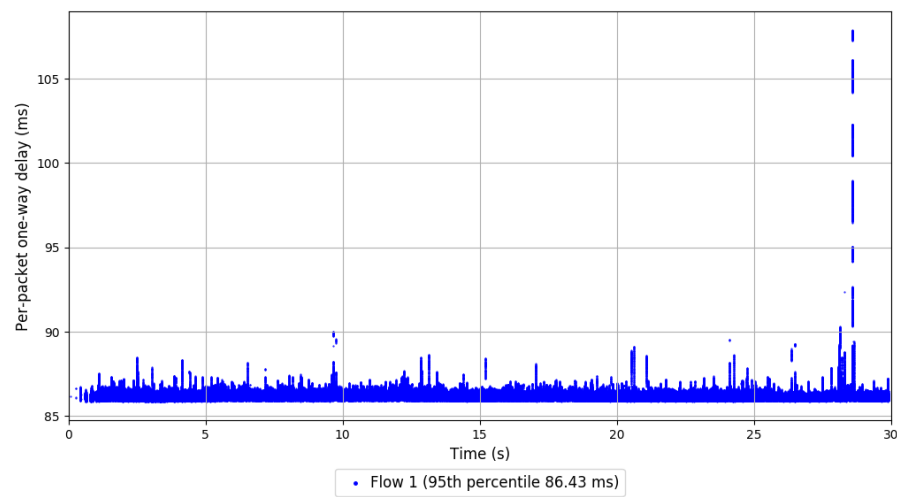
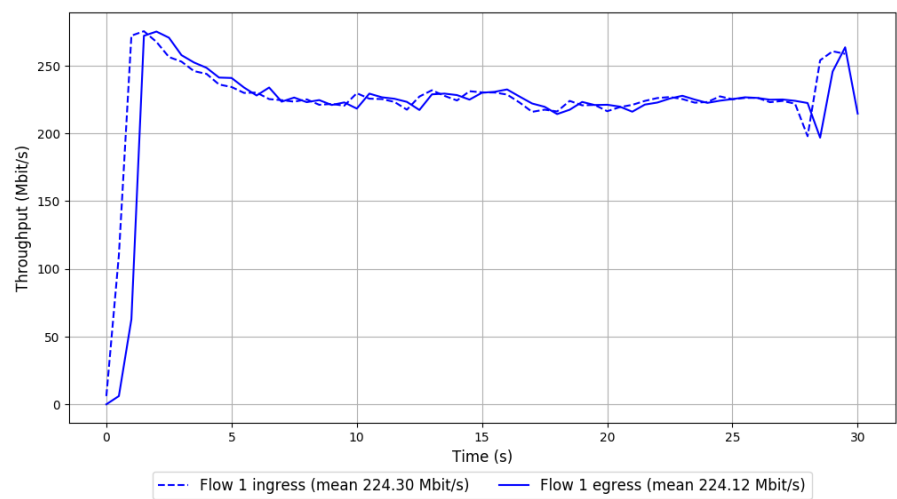
-- Flow 1:

Average throughput: 224.12 Mbit/s

95th percentile per-packet one-way delay: 86.427 ms

Loss rate: 0.65%

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



Run 6: Statistics of TaoVA-100x

Start at: 2018-06-18 20:31:52

End at: 2018-06-18 20:32:22

Local clock offset: 0.003 ms

Remote clock offset: -0.401 ms

Below is generated by plot.py at 2018-06-18 23:12:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 218.90 Mbit/s

95th percentile per-packet one-way delay: 86.635 ms

Loss rate: 0.57%

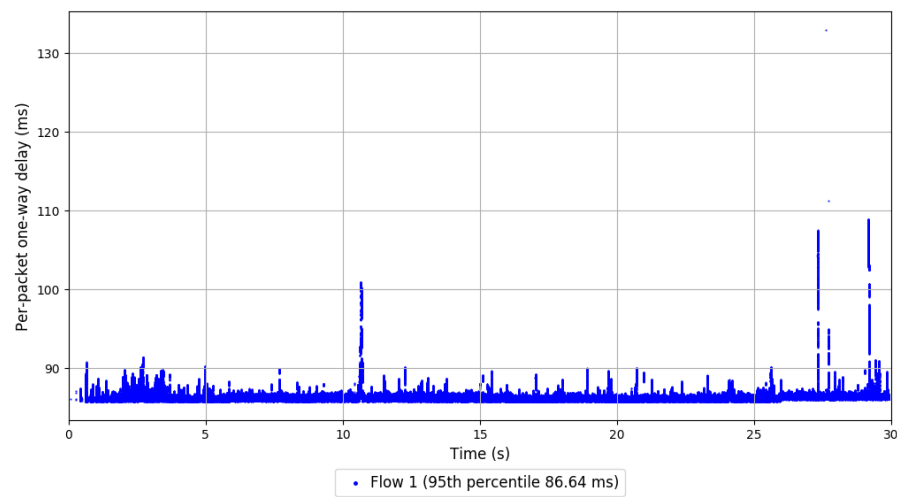
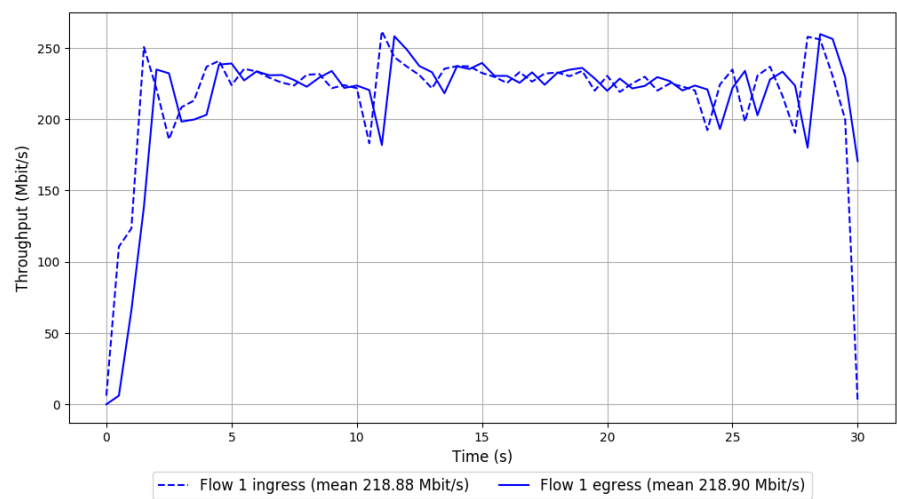
-- Flow 1:

Average throughput: 218.90 Mbit/s

95th percentile per-packet one-way delay: 86.635 ms

Loss rate: 0.57%

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

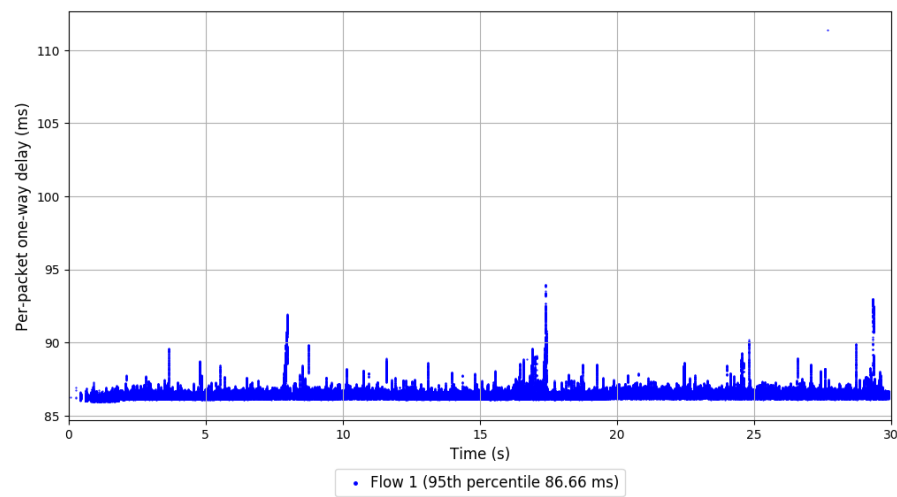
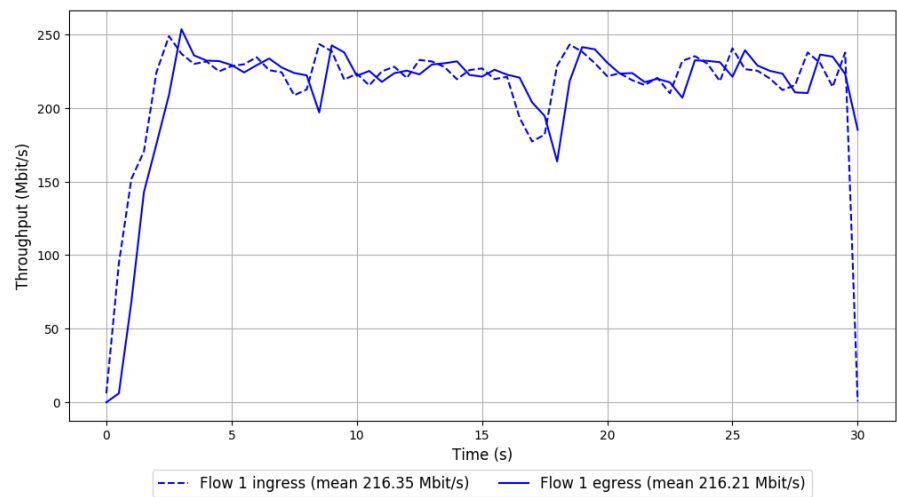


Run 7: Statistics of TaoVA-100x

Start at: 2018-06-18 20:52:16
End at: 2018-06-18 20:52:46
Local clock offset: 0.229 ms
Remote clock offset: -0.439 ms

Below is generated by plot.py at 2018-06-18 23:15:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 216.21 Mbit/s
95th percentile per-packet one-way delay: 86.655 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 216.21 Mbit/s
95th percentile per-packet one-way delay: 86.655 ms
Loss rate: 0.64%

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

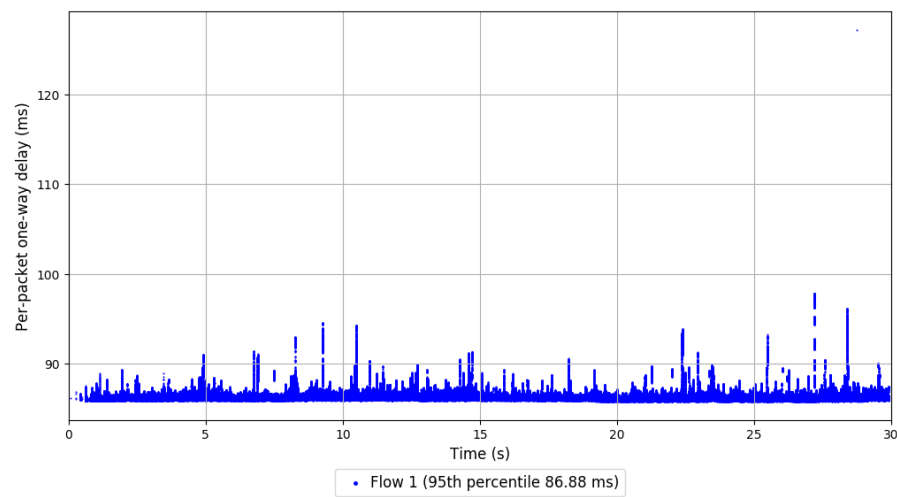
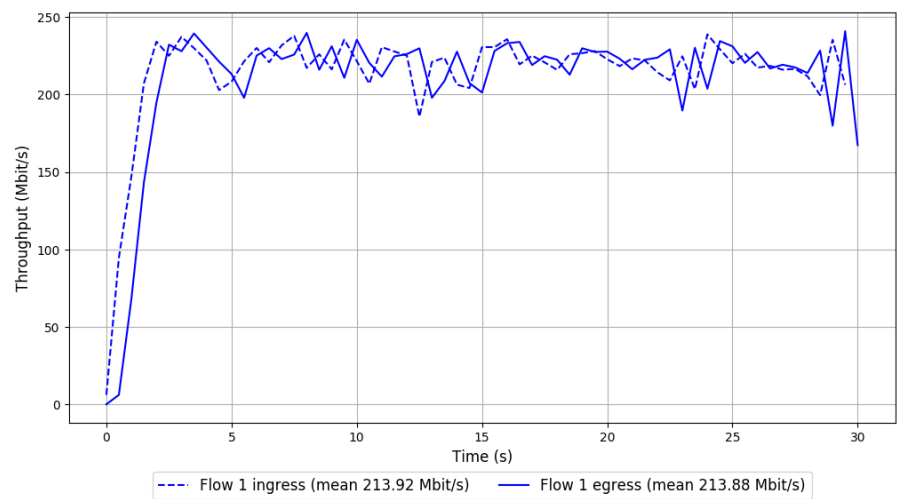


Run 8: Statistics of TaoVA-100x

Start at: 2018-06-18 21:12:38
End at: 2018-06-18 21:13:08
Local clock offset: 0.05 ms
Remote clock offset: -0.496 ms

Below is generated by plot.py at 2018-06-18 23:17:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 213.88 Mbit/s
95th percentile per-packet one-way delay: 86.876 ms
Loss rate: 0.59%
-- Flow 1:
Average throughput: 213.88 Mbit/s
95th percentile per-packet one-way delay: 86.876 ms
Loss rate: 0.59%

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

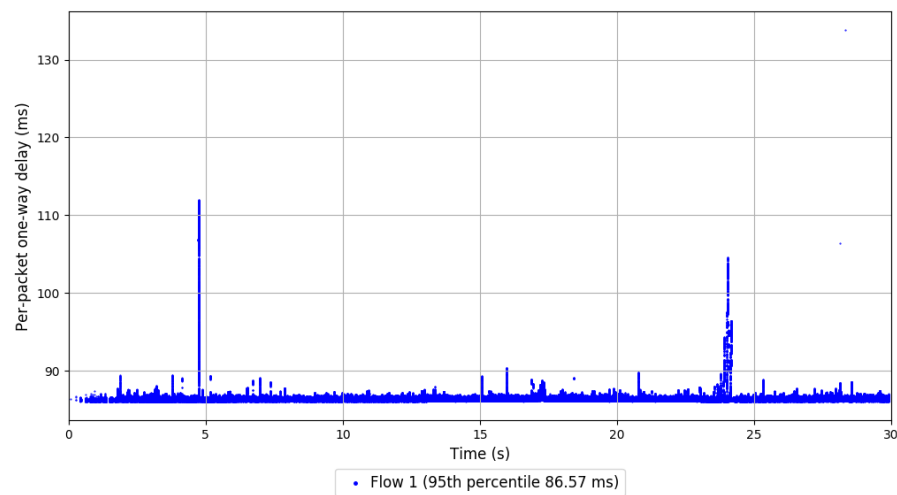
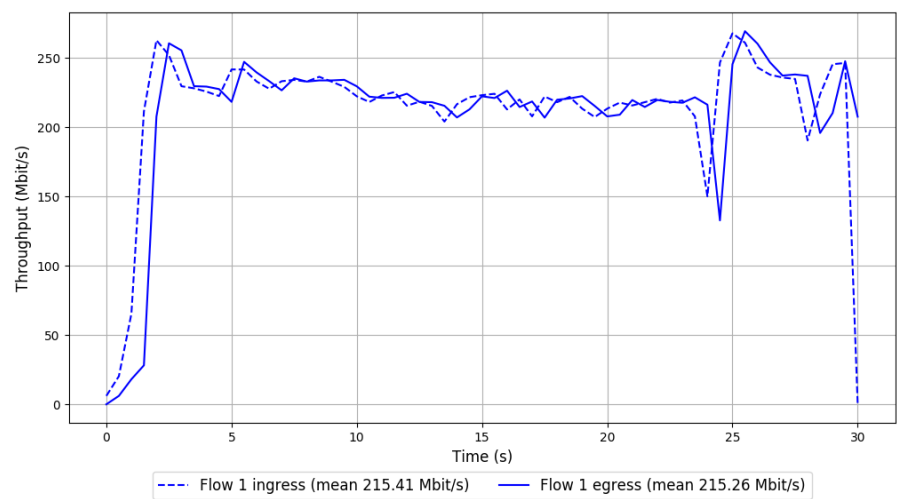


Run 9: Statistics of TaoVA-100x

Start at: 2018-06-18 21:33:15
End at: 2018-06-18 21:33:45
Local clock offset: 0.133 ms
Remote clock offset: -0.637 ms

Below is generated by plot.py at 2018-06-18 23:18:38
Datalink statistics
-- Total of 1 flow:
Average throughput: 215.26 Mbit/s
95th percentile per-packet one-way delay: 86.569 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 215.26 Mbit/s
95th percentile per-packet one-way delay: 86.569 ms
Loss rate: 0.64%

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



Run 10: Statistics of TaoVA-100x

Start at: 2018-06-18 21:53:48

End at: 2018-06-18 21:54:18

Local clock offset: 0.281 ms

Remote clock offset: -0.64 ms

Below is generated by plot.py at 2018-06-18 23:18:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 210.40 Mbit/s

95th percentile per-packet one-way delay: 86.919 ms

Loss rate: 0.63%

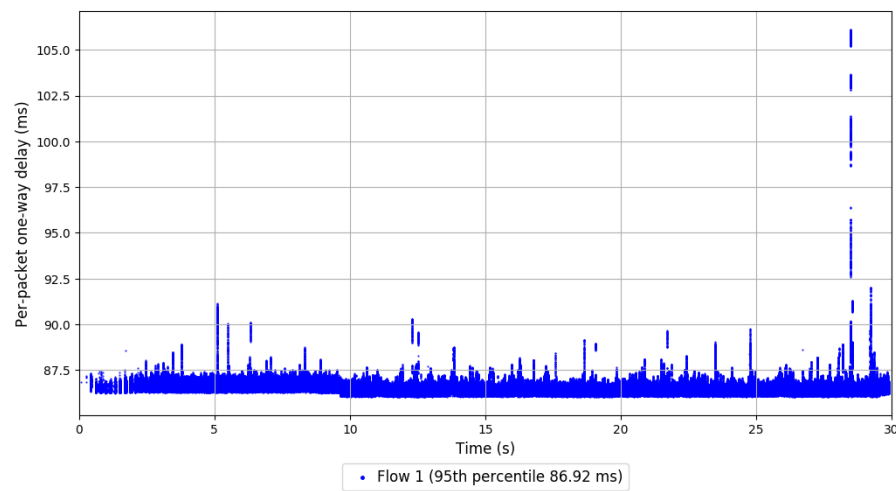
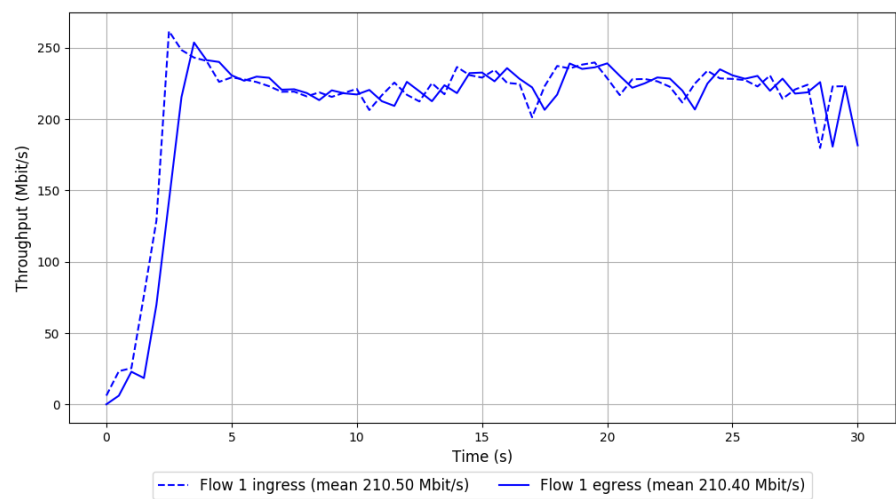
-- Flow 1:

Average throughput: 210.40 Mbit/s

95th percentile per-packet one-way delay: 86.919 ms

Loss rate: 0.63%

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



Run 1: Statistics of TCP Vegas

Start at: 2018-06-18 18:55:56

End at: 2018-06-18 18:56:26

Local clock offset: 0.091 ms

Remote clock offset: 0.025 ms

Below is generated by plot.py at 2018-06-18 23:18:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 41.82 Mbit/s

95th percentile per-packet one-way delay: 87.744 ms

Loss rate: 0.66%

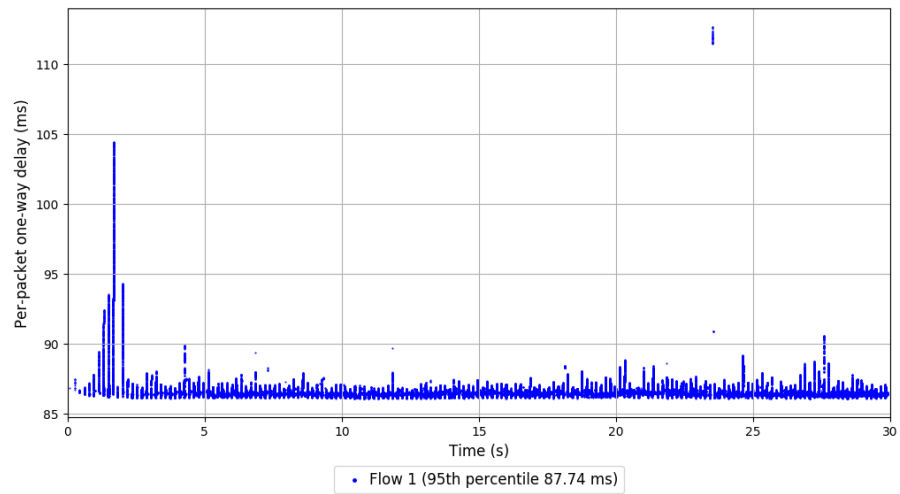
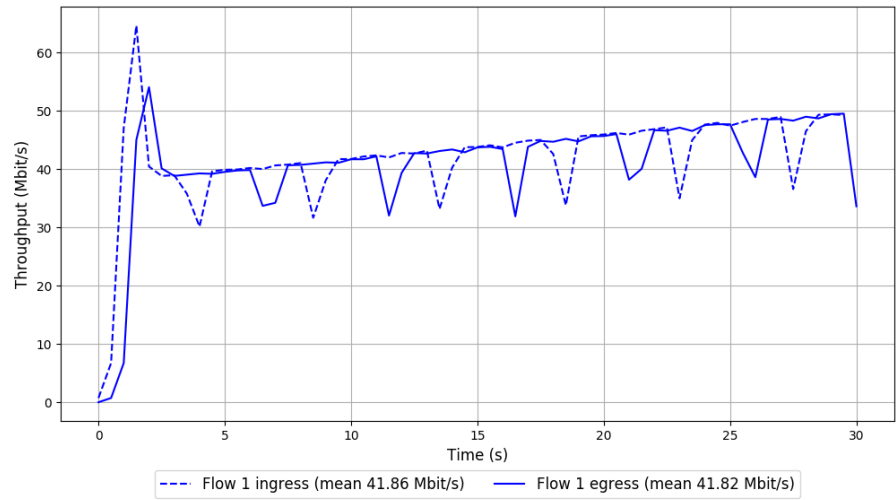
-- Flow 1:

Average throughput: 41.82 Mbit/s

95th percentile per-packet one-way delay: 87.744 ms

Loss rate: 0.66%

Run 1: Report of TCP Vegas — Data Link

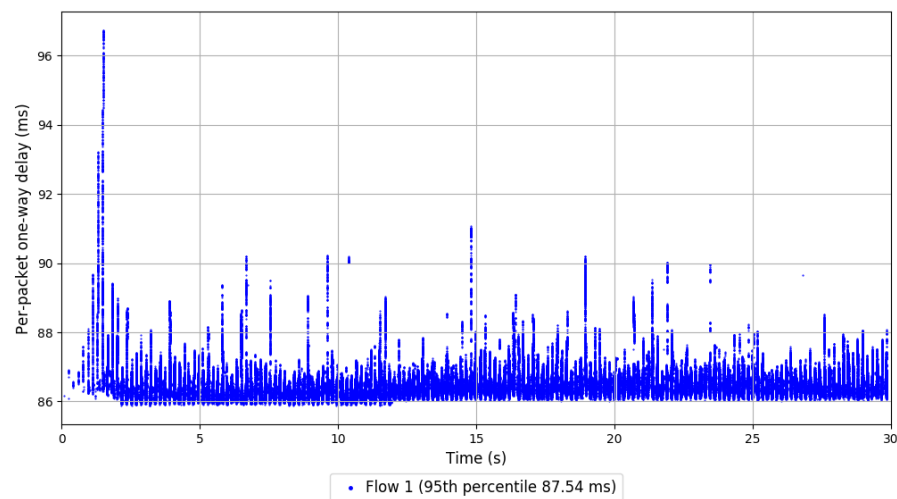
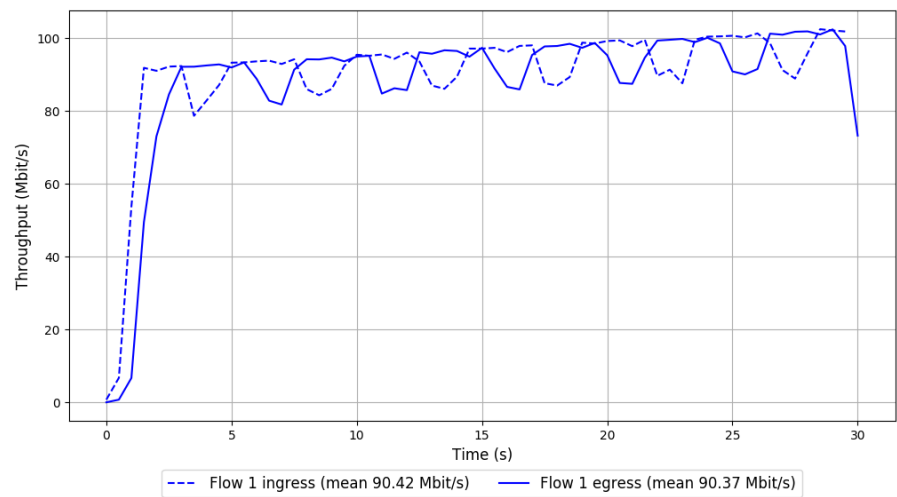


Run 2: Statistics of TCP Vegas

Start at: 2018-06-18 19:16:15
End at: 2018-06-18 19:16:45
Local clock offset: 0.1 ms
Remote clock offset: -0.021 ms

Below is generated by plot.py at 2018-06-18 23:18:47
Datalink statistics
-- Total of 1 flow:
Average throughput: 90.37 Mbit/s
95th percentile per-packet one-way delay: 87.542 ms
Loss rate: 0.63%
-- Flow 1:
Average throughput: 90.37 Mbit/s
95th percentile per-packet one-way delay: 87.542 ms
Loss rate: 0.63%

Run 2: Report of TCP Vegas — Data Link

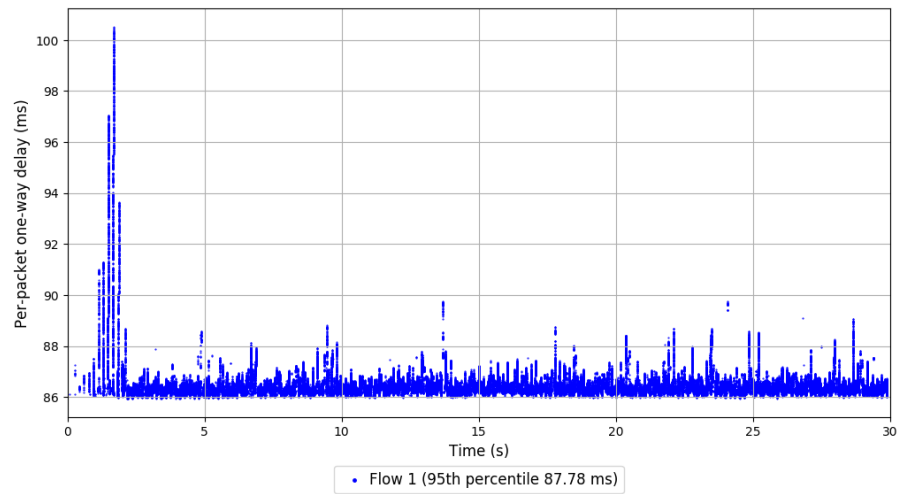
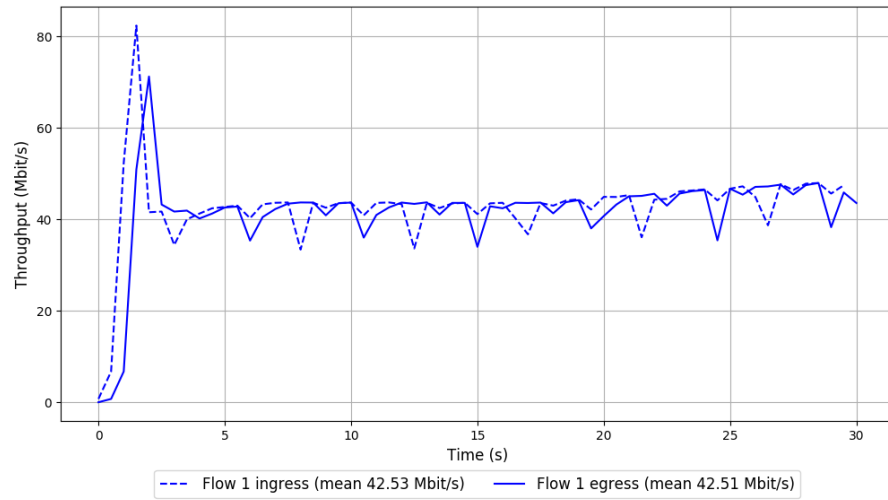


Run 3: Statistics of TCP Vegas

Start at: 2018-06-18 19:36:52
End at: 2018-06-18 19:37:22
Local clock offset: 0.041 ms
Remote clock offset: -0.076 ms

Below is generated by plot.py at 2018-06-18 23:18:47
Datalink statistics
-- Total of 1 flow:
Average throughput: 42.51 Mbit/s
95th percentile per-packet one-way delay: 87.778 ms
Loss rate: 0.63%
-- Flow 1:
Average throughput: 42.51 Mbit/s
95th percentile per-packet one-way delay: 87.778 ms
Loss rate: 0.63%

Run 3: Report of TCP Vegas — Data Link

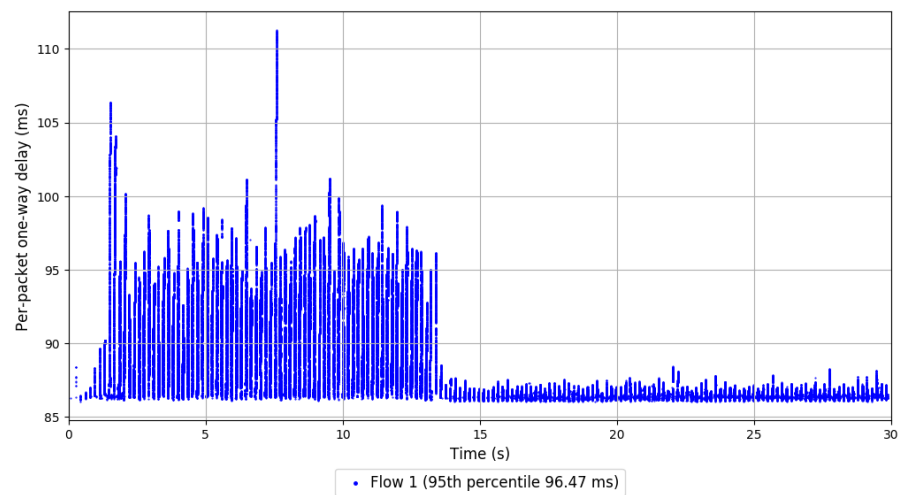
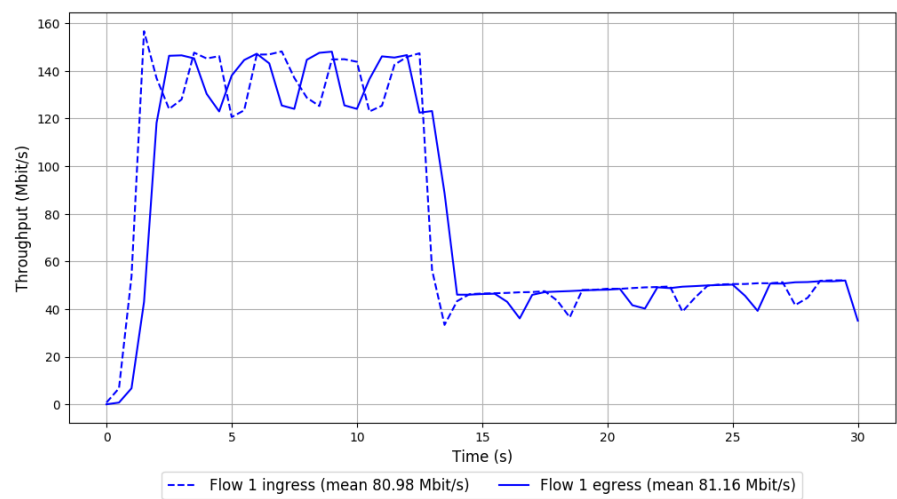


Run 4: Statistics of TCP Vegas

Start at: 2018-06-18 19:57:26
End at: 2018-06-18 19:57:57
Local clock offset: 0.059 ms
Remote clock offset: -0.313 ms

Below is generated by plot.py at 2018-06-18 23:18:47
Datalink statistics
-- Total of 1 flow:
Average throughput: 81.16 Mbit/s
95th percentile per-packet one-way delay: 96.466 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 81.16 Mbit/s
95th percentile per-packet one-way delay: 96.466 ms
Loss rate: 0.36%

Run 4: Report of TCP Vegas — Data Link

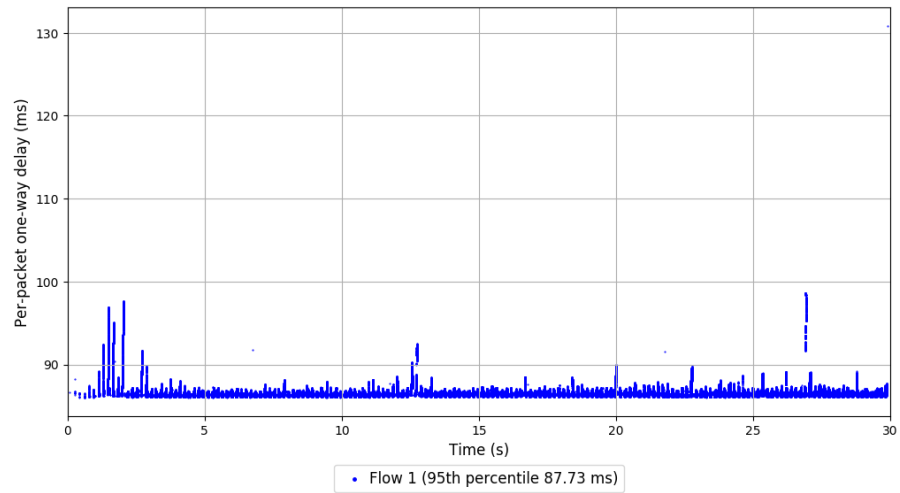
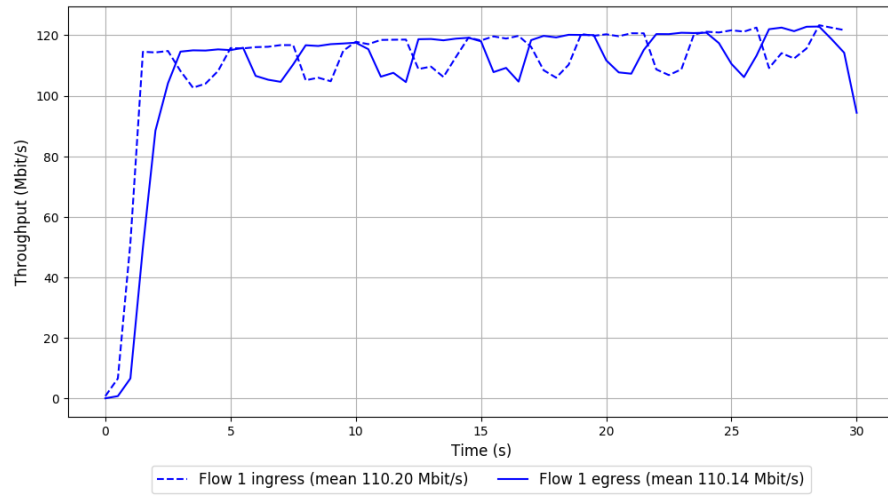


Run 5: Statistics of TCP Vegas

Start at: 2018-06-18 20:18:06
End at: 2018-06-18 20:18:36
Local clock offset: 0.088 ms
Remote clock offset: -0.346 ms

Below is generated by plot.py at 2018-06-18 23:18:47
Datalink statistics
-- Total of 1 flow:
Average throughput: 110.14 Mbit/s
95th percentile per-packet one-way delay: 87.735 ms
Loss rate: 0.63%
-- Flow 1:
Average throughput: 110.14 Mbit/s
95th percentile per-packet one-way delay: 87.735 ms
Loss rate: 0.63%

Run 5: Report of TCP Vegas — Data Link



Run 6: Statistics of TCP Vegas

Start at: 2018-06-18 20:38:34

End at: 2018-06-18 20:39:04

Local clock offset: 0.223 ms

Remote clock offset: -0.39 ms

Below is generated by plot.py at 2018-06-18 23:18:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 48.76 Mbit/s

95th percentile per-packet one-way delay: 88.607 ms

Loss rate: 0.63%

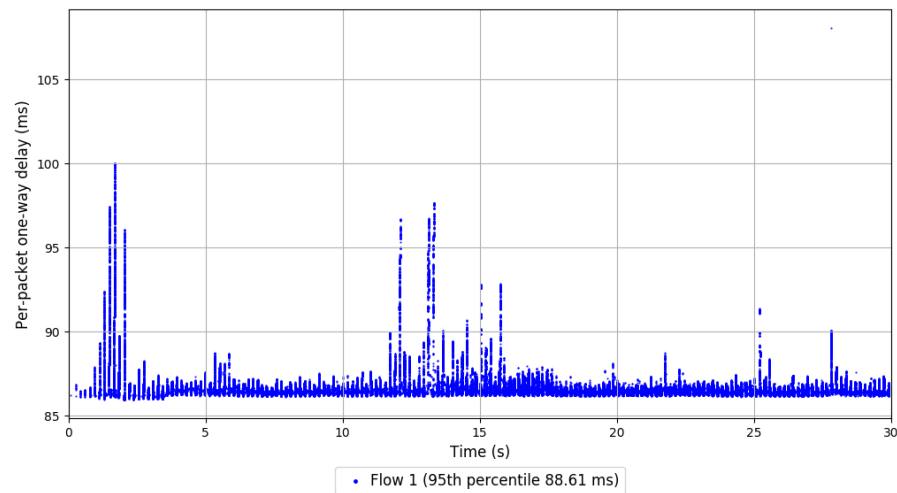
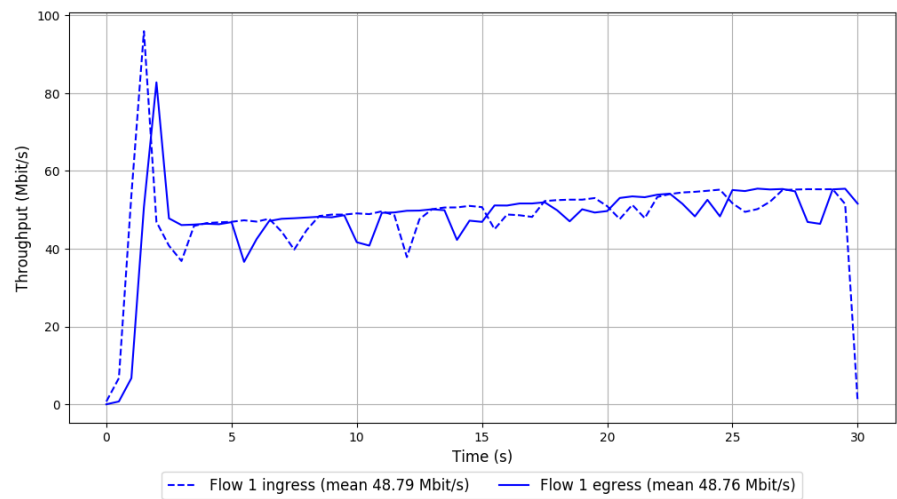
-- Flow 1:

Average throughput: 48.76 Mbit/s

95th percentile per-packet one-way delay: 88.607 ms

Loss rate: 0.63%

Run 6: Report of TCP Vegas — Data Link



Run 7: Statistics of TCP Vegas

Start at: 2018-06-18 20:58:49

End at: 2018-06-18 20:59:19

Local clock offset: 0.112 ms

Remote clock offset: -0.51 ms

Below is generated by plot.py at 2018-06-18 23:18:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 58.93 Mbit/s

95th percentile per-packet one-way delay: 87.278 ms

Loss rate: 0.65%

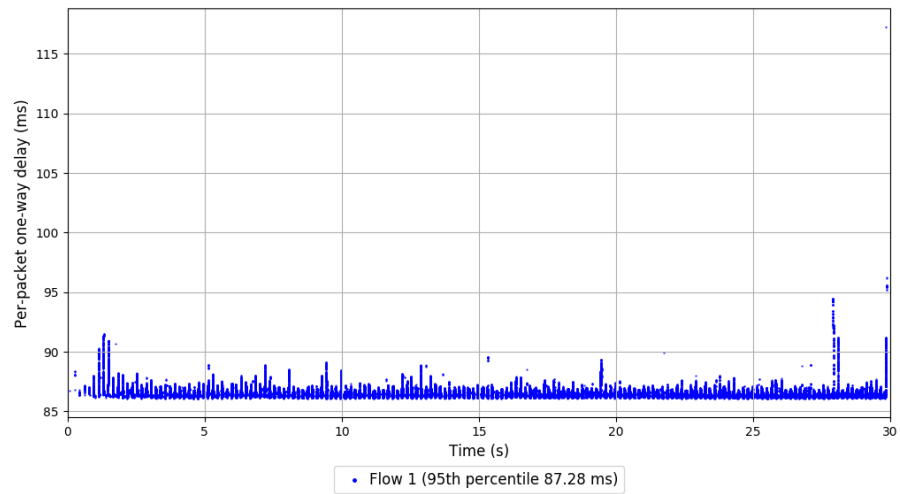
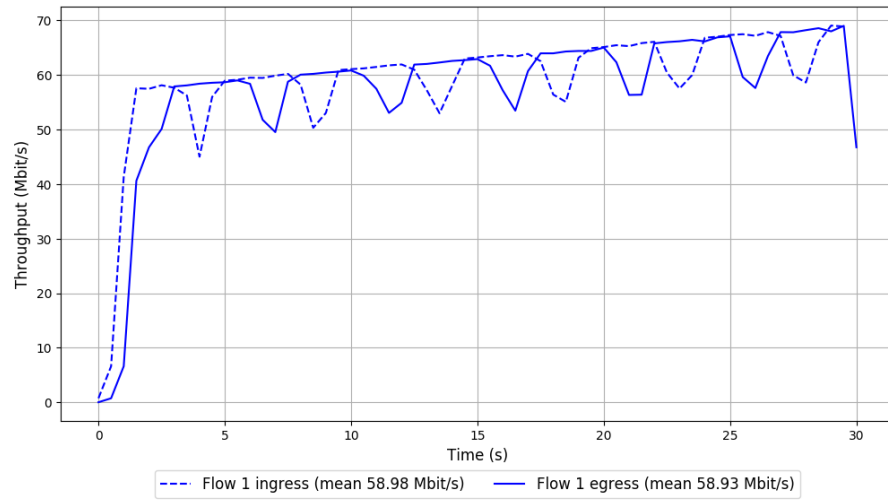
-- Flow 1:

Average throughput: 58.93 Mbit/s

95th percentile per-packet one-way delay: 87.278 ms

Loss rate: 0.65%

Run 7: Report of TCP Vegas — Data Link

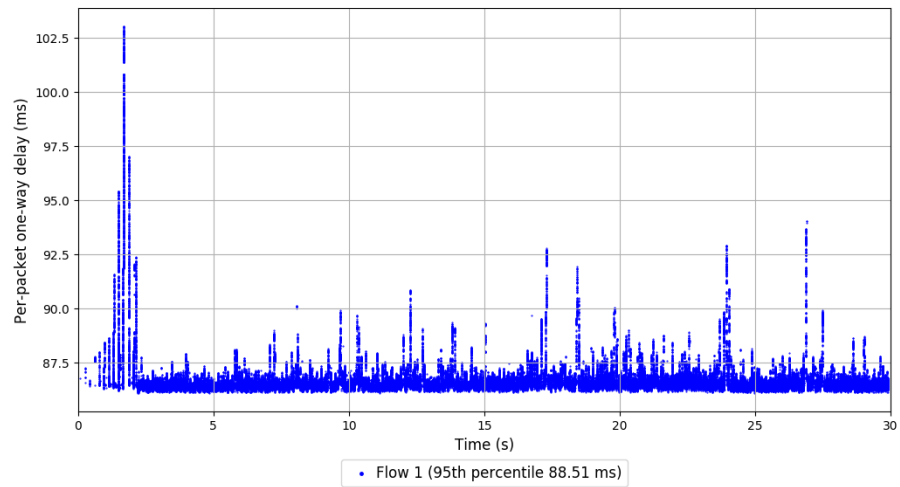
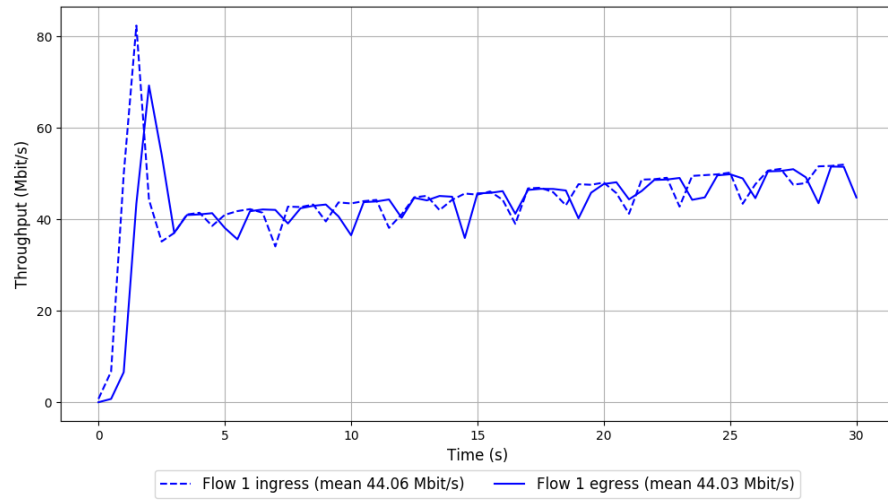


Run 8: Statistics of TCP Vegas

Start at: 2018-06-18 21:19:21
End at: 2018-06-18 21:19:51
Local clock offset: 0.141 ms
Remote clock offset: -0.613 ms

Below is generated by plot.py at 2018-06-18 23:18:47
Datalink statistics
-- Total of 1 flow:
Average throughput: 44.03 Mbit/s
95th percentile per-packet one-way delay: 88.513 ms
Loss rate: 0.66%
-- Flow 1:
Average throughput: 44.03 Mbit/s
95th percentile per-packet one-way delay: 88.513 ms
Loss rate: 0.66%

Run 8: Report of TCP Vegas — Data Link

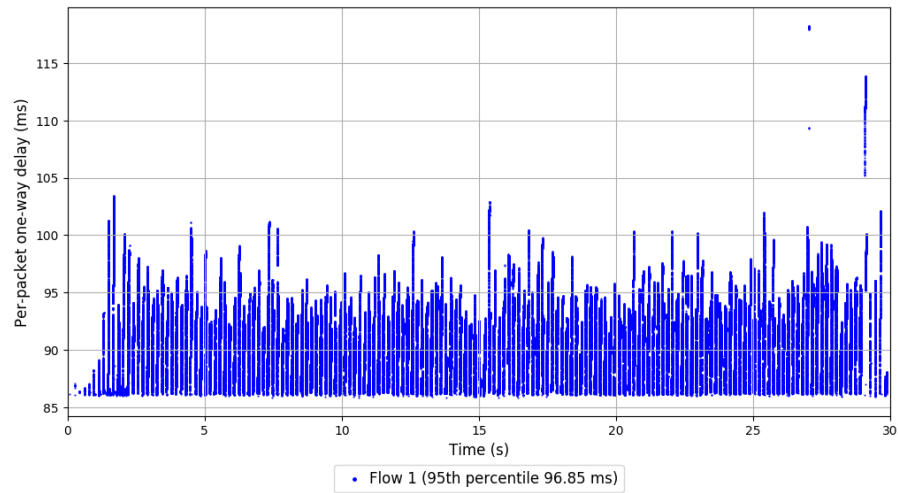
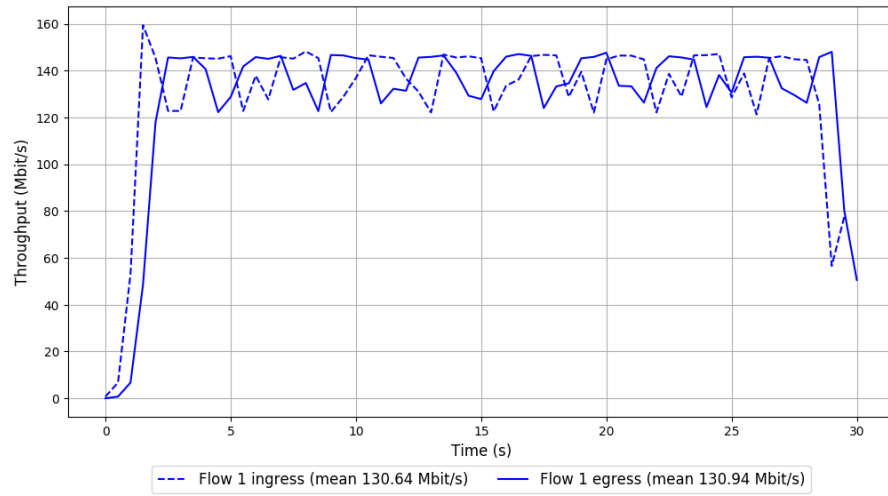


Run 9: Statistics of TCP Vegas

Start at: 2018-06-18 21:39:50
End at: 2018-06-18 21:40:20
Local clock offset: 0.051 ms
Remote clock offset: -0.568 ms

Below is generated by plot.py at 2018-06-18 23:18:47
Datalink statistics
-- Total of 1 flow:
Average throughput: 130.94 Mbit/s
95th percentile per-packet one-way delay: 96.850 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 130.94 Mbit/s
95th percentile per-packet one-way delay: 96.850 ms
Loss rate: 0.35%

Run 9: Report of TCP Vegas — Data Link



Run 10: Statistics of TCP Vegas

Start at: 2018-06-18 22:00:25

End at: 2018-06-18 22:00:55

Local clock offset: -0.191 ms

Remote clock offset: -0.679 ms

Below is generated by plot.py at 2018-06-18 23:18:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 126.90 Mbit/s

95th percentile per-packet one-way delay: 96.841 ms

Loss rate: 0.06%

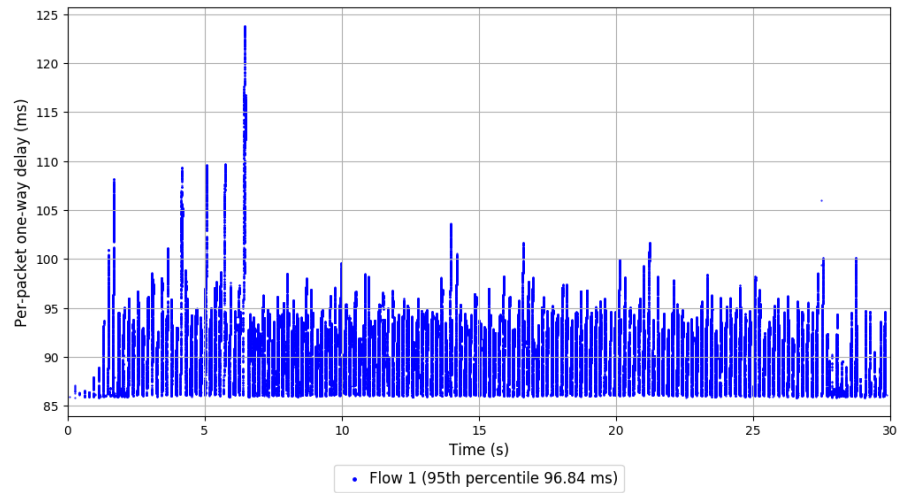
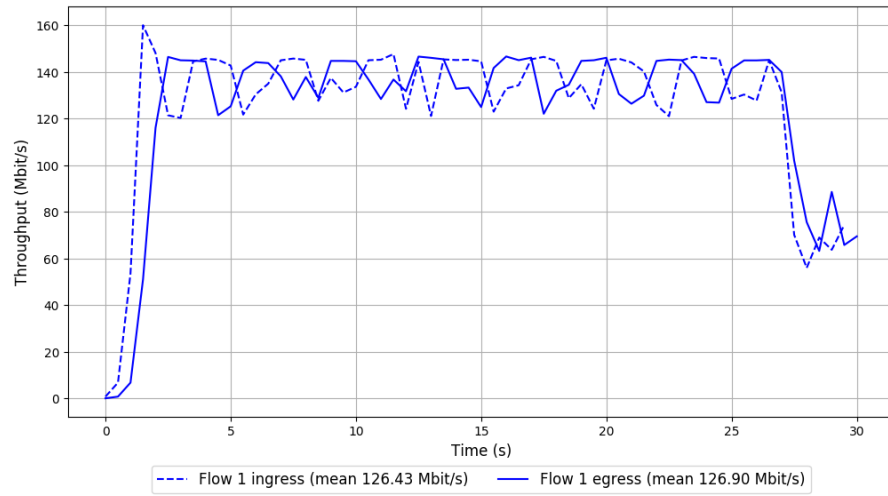
-- Flow 1:

Average throughput: 126.90 Mbit/s

95th percentile per-packet one-way delay: 96.841 ms

Loss rate: 0.06%

Run 10: Report of TCP Vegas — Data Link



Run 1: Statistics of Verus

Start at: 2018-06-18 18:48:11

End at: 2018-06-18 18:48:41

Local clock offset: 0.072 ms

Remote clock offset: 0.009 ms

Below is generated by plot.py at 2018-06-18 23:19:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 262.05 Mbit/s

95th percentile per-packet one-way delay: 215.022 ms

Loss rate: 0.70%

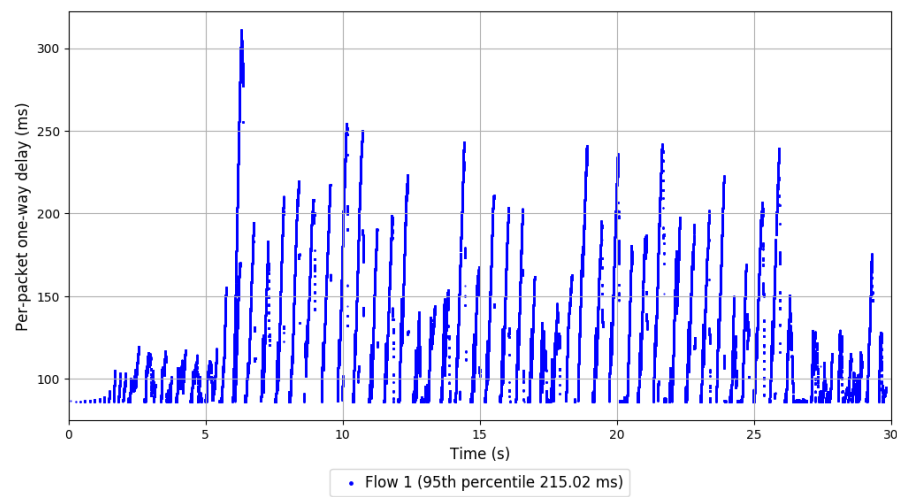
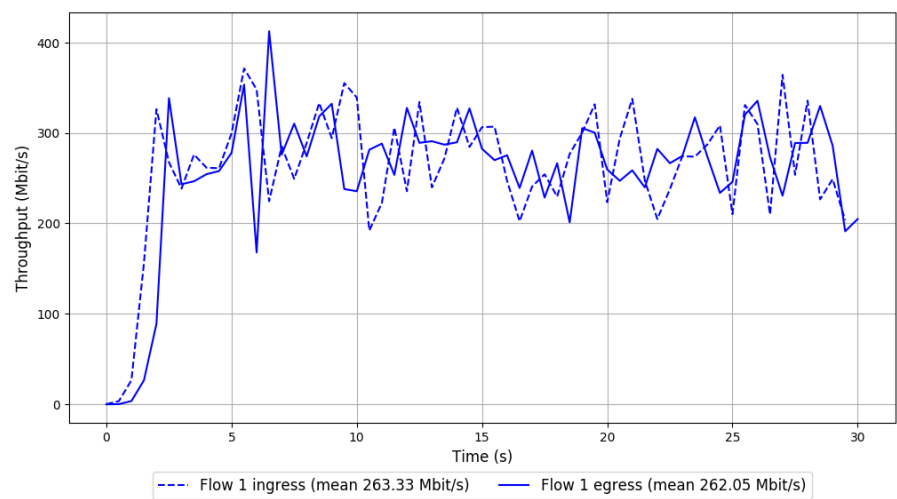
-- Flow 1:

Average throughput: 262.05 Mbit/s

95th percentile per-packet one-way delay: 215.022 ms

Loss rate: 0.70%

Run 1: Report of Verus — Data Link

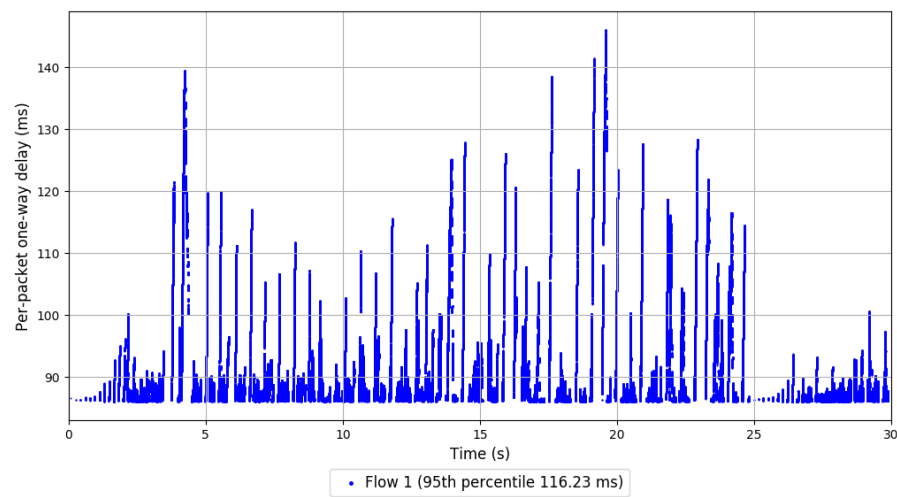
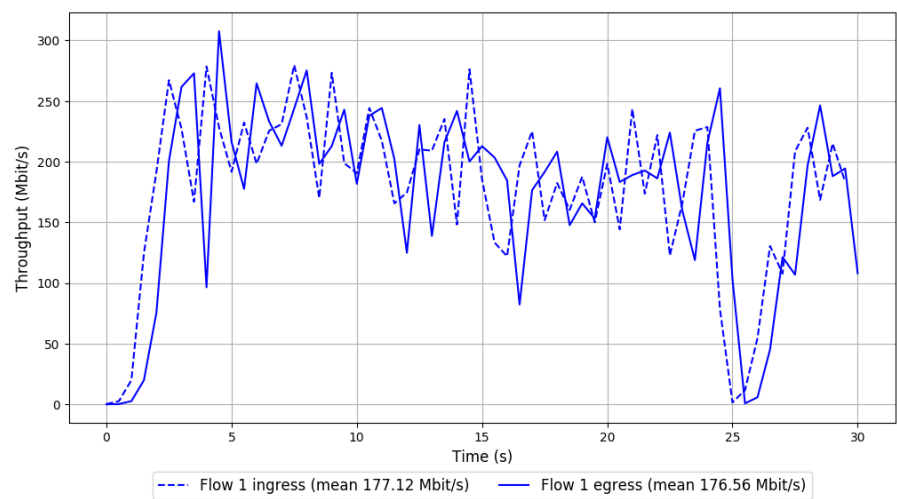


Run 2: Statistics of Verus

Start at: 2018-06-18 19:08:22
End at: 2018-06-18 19:08:52
Local clock offset: 0.008 ms
Remote clock offset: -0.042 ms

Below is generated by plot.py at 2018-06-18 23:19:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 176.56 Mbit/s
95th percentile per-packet one-way delay: 116.227 ms
Loss rate: 0.90%
-- Flow 1:
Average throughput: 176.56 Mbit/s
95th percentile per-packet one-way delay: 116.227 ms
Loss rate: 0.90%

Run 2: Report of Verus — Data Link

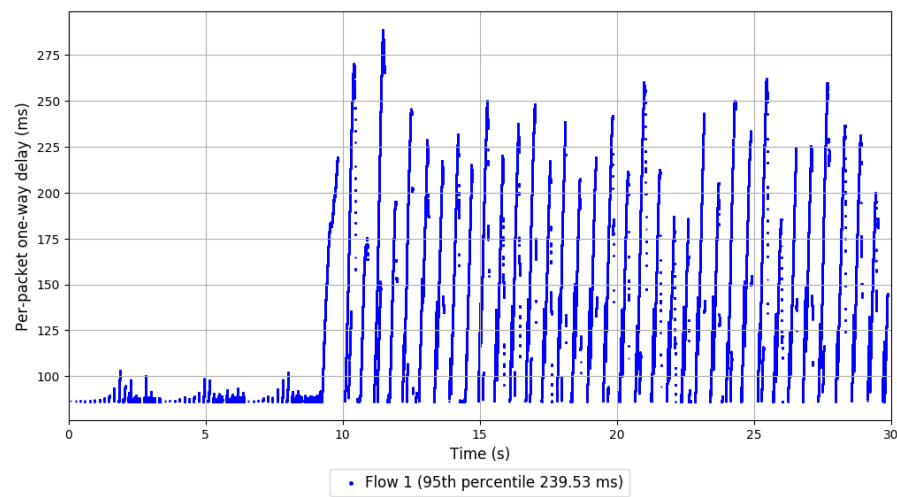
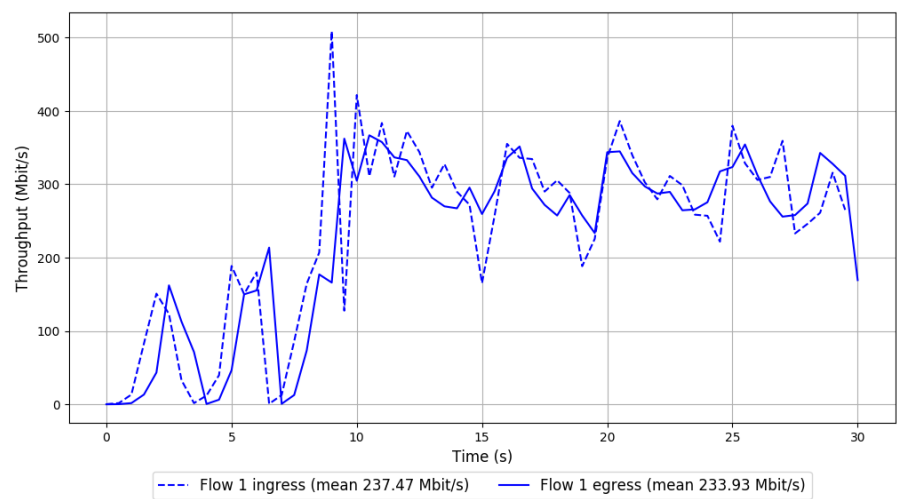


Run 3: Statistics of Verus

Start at: 2018-06-18 19:28:48
End at: 2018-06-18 19:29:18
Local clock offset: 0.114 ms
Remote clock offset: -0.101 ms

Below is generated by plot.py at 2018-06-18 23:19:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 233.93 Mbit/s
95th percentile per-packet one-way delay: 239.530 ms
Loss rate: 1.53%
-- Flow 1:
Average throughput: 233.93 Mbit/s
95th percentile per-packet one-way delay: 239.530 ms
Loss rate: 1.53%

Run 3: Report of Verus — Data Link

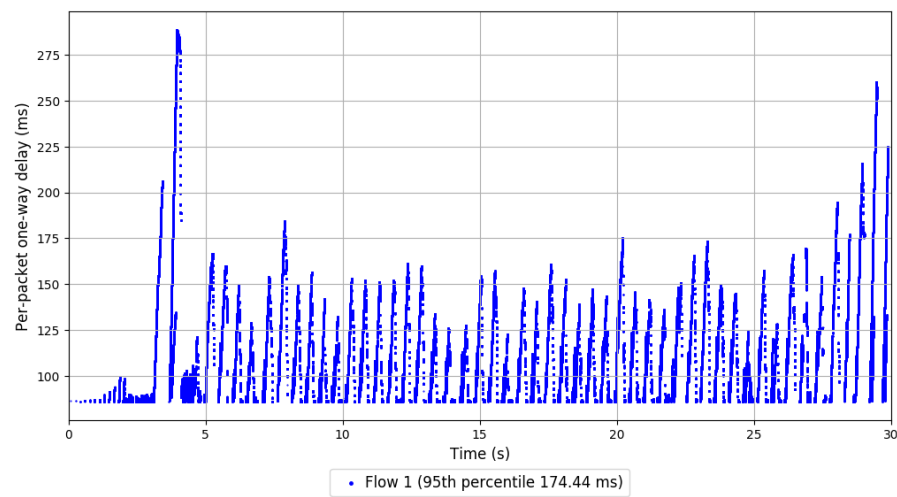
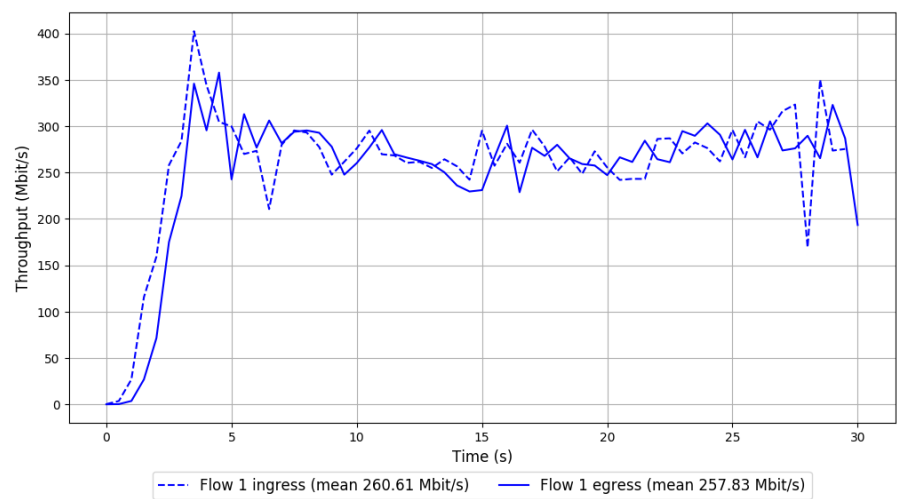


Run 4: Statistics of Verus

Start at: 2018-06-18 19:49:21
End at: 2018-06-18 19:49:51
Local clock offset: 0.088 ms
Remote clock offset: -0.203 ms

Below is generated by plot.py at 2018-06-18 23:21:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 257.83 Mbit/s
95th percentile per-packet one-way delay: 174.436 ms
Loss rate: 0.73%
-- Flow 1:
Average throughput: 257.83 Mbit/s
95th percentile per-packet one-way delay: 174.436 ms
Loss rate: 0.73%

Run 4: Report of Verus — Data Link

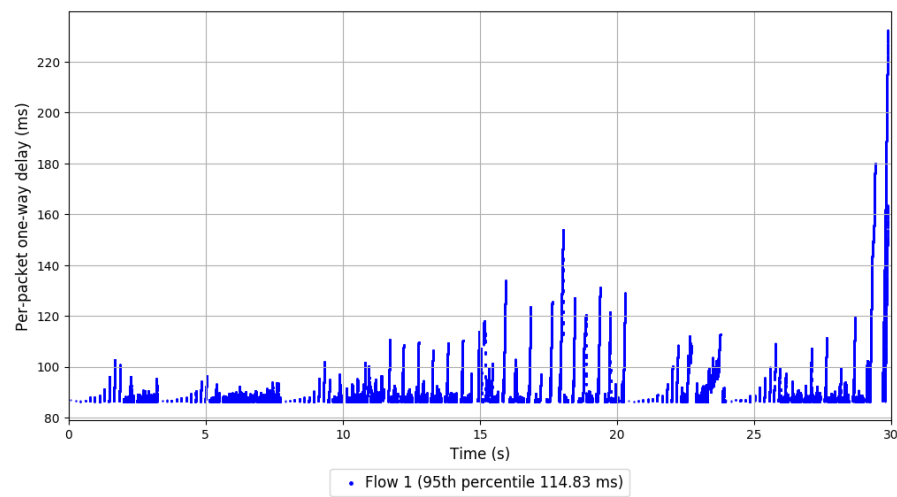
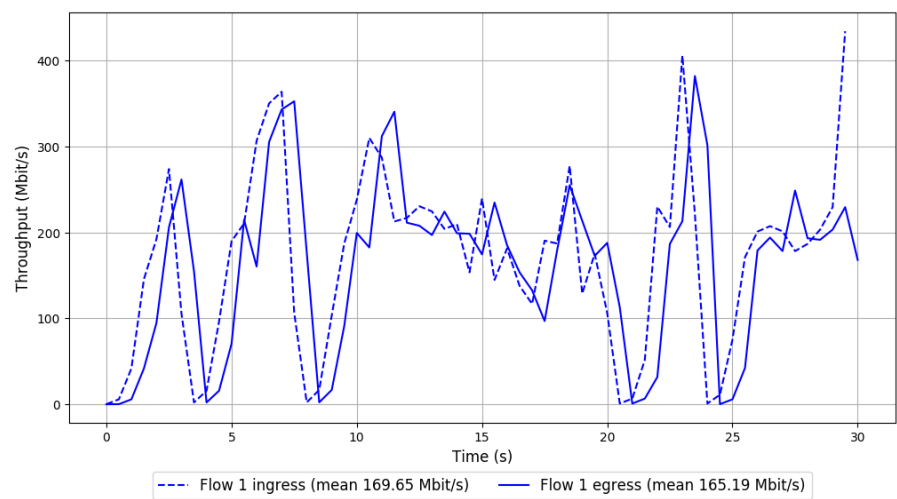


Run 5: Statistics of Verus

Start at: 2018-06-18 20:10:04
End at: 2018-06-18 20:10:34
Local clock offset: 0.284 ms
Remote clock offset: -0.326 ms

Below is generated by plot.py at 2018-06-18 23:21:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 165.19 Mbit/s
95th percentile per-packet one-way delay: 114.831 ms
Loss rate: 2.63%
-- Flow 1:
Average throughput: 165.19 Mbit/s
95th percentile per-packet one-way delay: 114.831 ms
Loss rate: 2.63%

Run 5: Report of Verus — Data Link

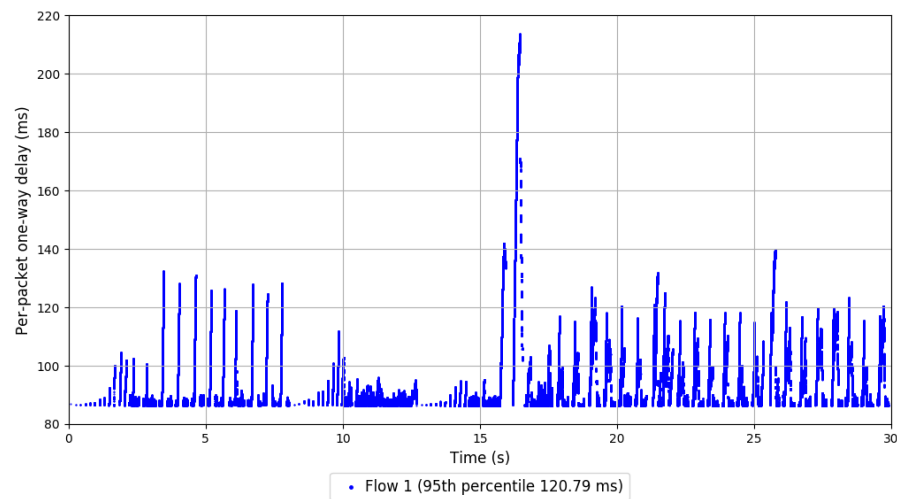
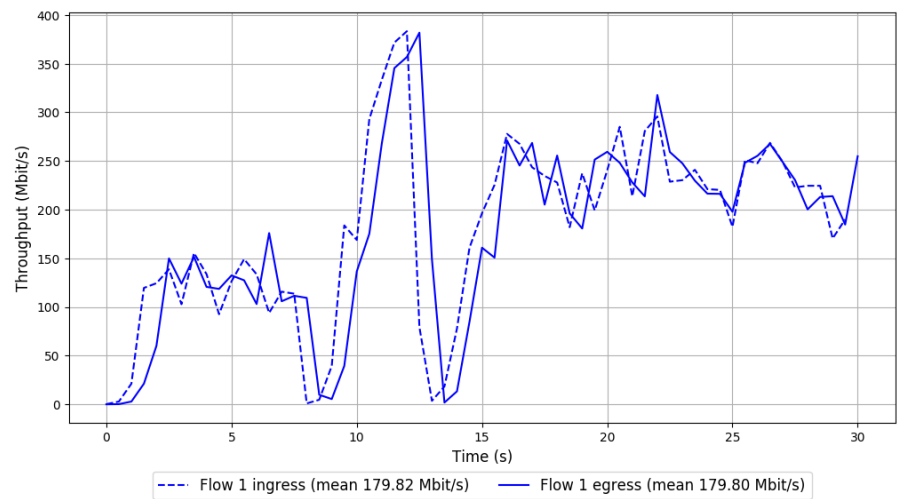


Run 6: Statistics of Verus

Start at: 2018-06-18 20:30:33
End at: 2018-06-18 20:31:03
Local clock offset: 0.27 ms
Remote clock offset: -0.342 ms

Below is generated by plot.py at 2018-06-18 23:21:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 179.80 Mbit/s
95th percentile per-packet one-way delay: 120.792 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 179.80 Mbit/s
95th percentile per-packet one-way delay: 120.792 ms
Loss rate: 0.04%

Run 6: Report of Verus — Data Link

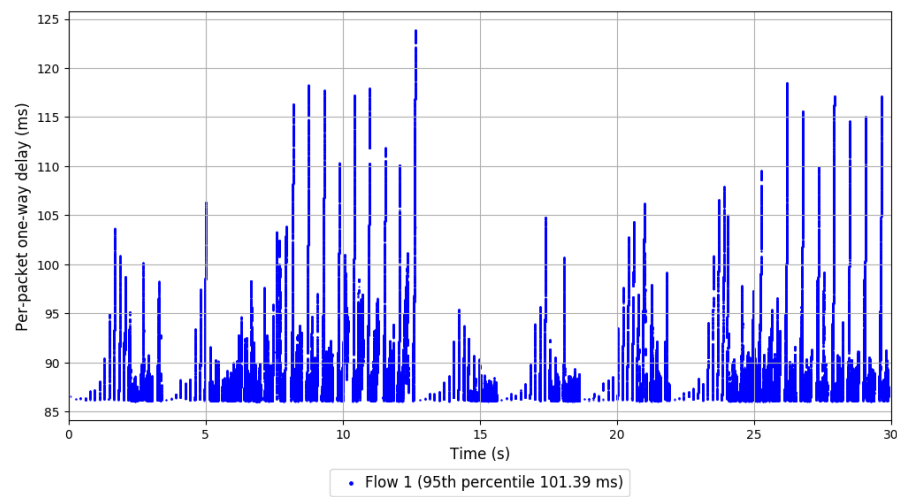
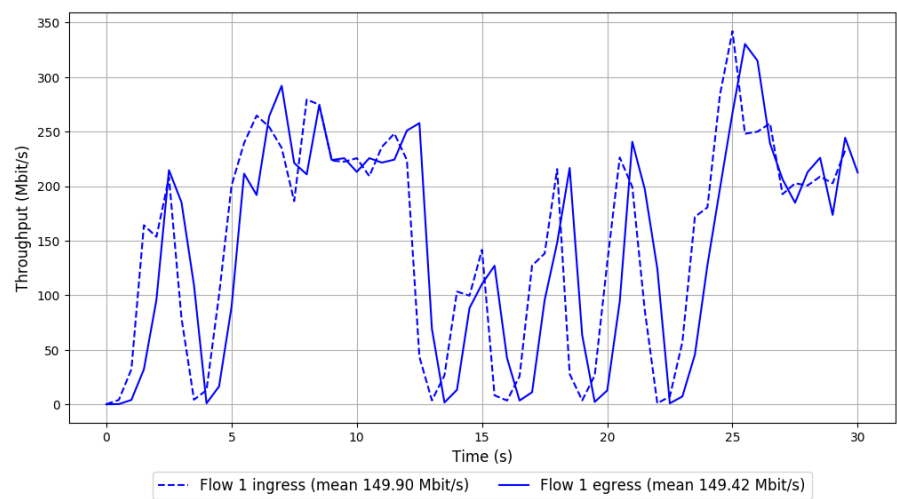


Run 7: Statistics of Verus

Start at: 2018-06-18 20:50:59
End at: 2018-06-18 20:51:29
Local clock offset: 0.086 ms
Remote clock offset: -0.456 ms

Below is generated by plot.py at 2018-06-18 23:21:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 149.42 Mbit/s
95th percentile per-packet one-way delay: 101.388 ms
Loss rate: 0.53%
-- Flow 1:
Average throughput: 149.42 Mbit/s
95th percentile per-packet one-way delay: 101.388 ms
Loss rate: 0.53%

Run 7: Report of Verus — Data Link

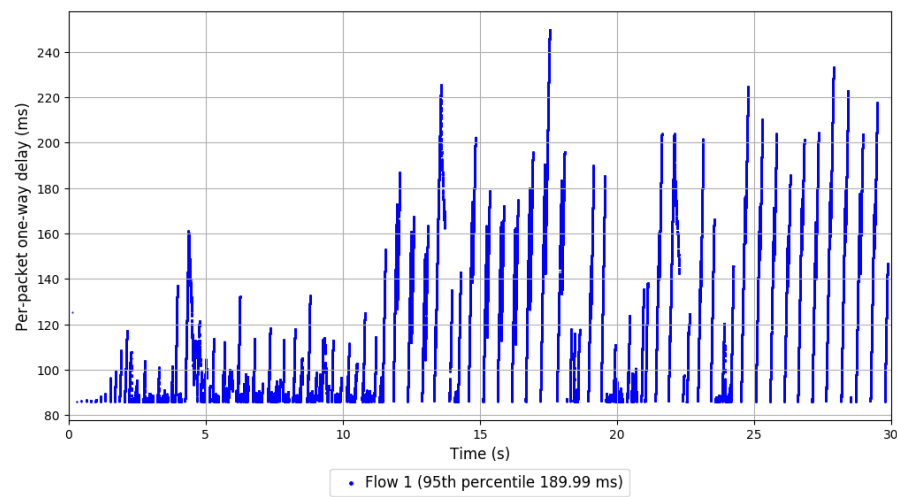
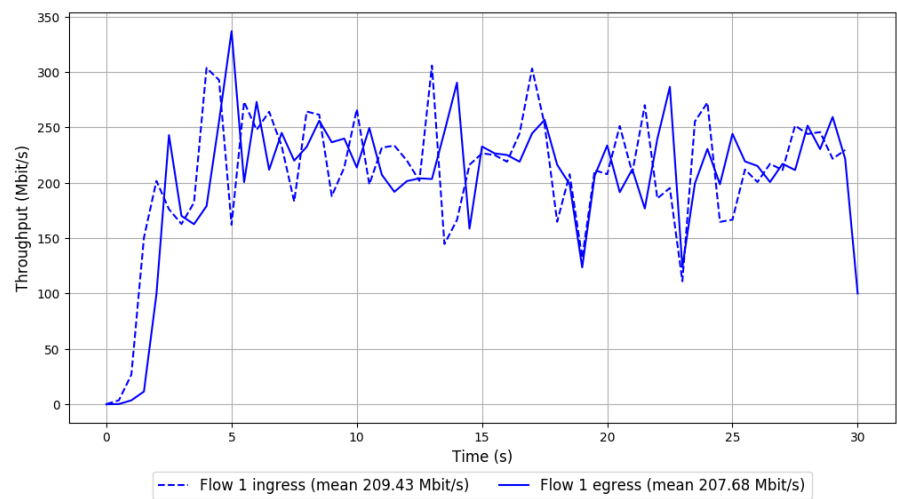


Run 8: Statistics of Verus

Start at: 2018-06-18 21:11:18
End at: 2018-06-18 21:11:48
Local clock offset: -0.019 ms
Remote clock offset: -0.512 ms

Below is generated by plot.py at 2018-06-18 23:22:04
Datalink statistics
-- Total of 1 flow:
Average throughput: 207.68 Mbit/s
95th percentile per-packet one-way delay: 189.993 ms
Loss rate: 1.04%
-- Flow 1:
Average throughput: 207.68 Mbit/s
95th percentile per-packet one-way delay: 189.993 ms
Loss rate: 1.04%

Run 8: Report of Verus — Data Link

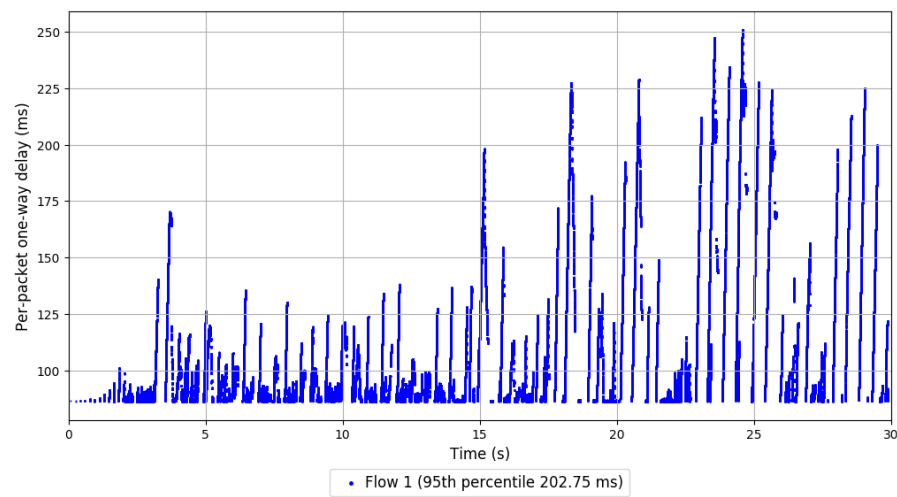
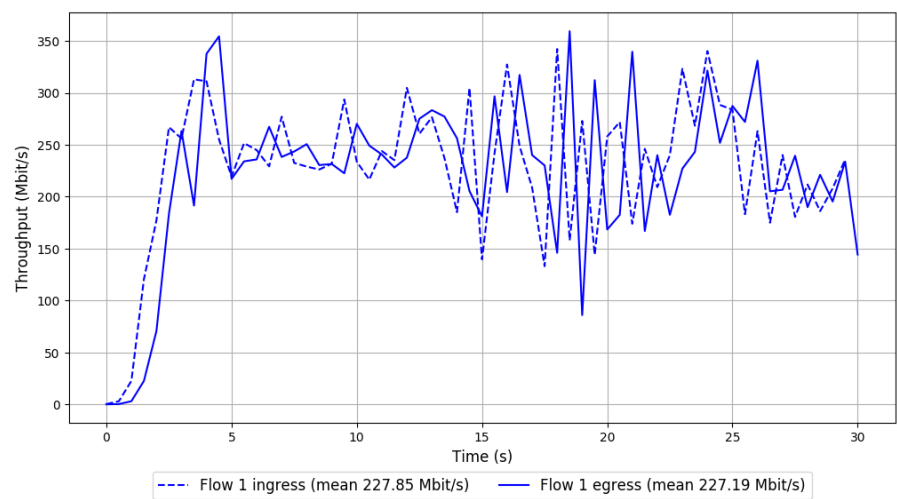


Run 9: Statistics of Verus

Start at: 2018-06-18 21:31:53
End at: 2018-06-18 21:32:23
Local clock offset: 0.224 ms
Remote clock offset: -0.595 ms

Below is generated by plot.py at 2018-06-18 23:22:35
Datalink statistics
-- Total of 1 flow:
Average throughput: 227.19 Mbit/s
95th percentile per-packet one-way delay: 202.750 ms
Loss rate: 0.87%
-- Flow 1:
Average throughput: 227.19 Mbit/s
95th percentile per-packet one-way delay: 202.750 ms
Loss rate: 0.87%

Run 9: Report of Verus — Data Link

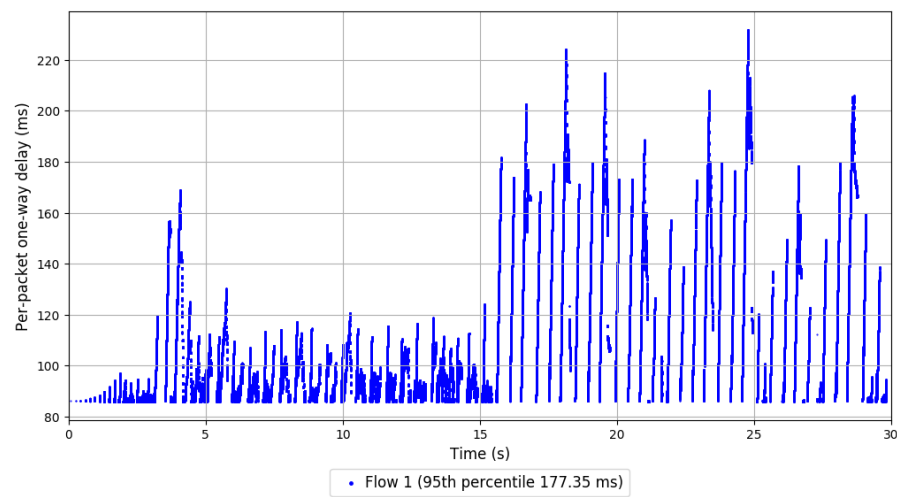
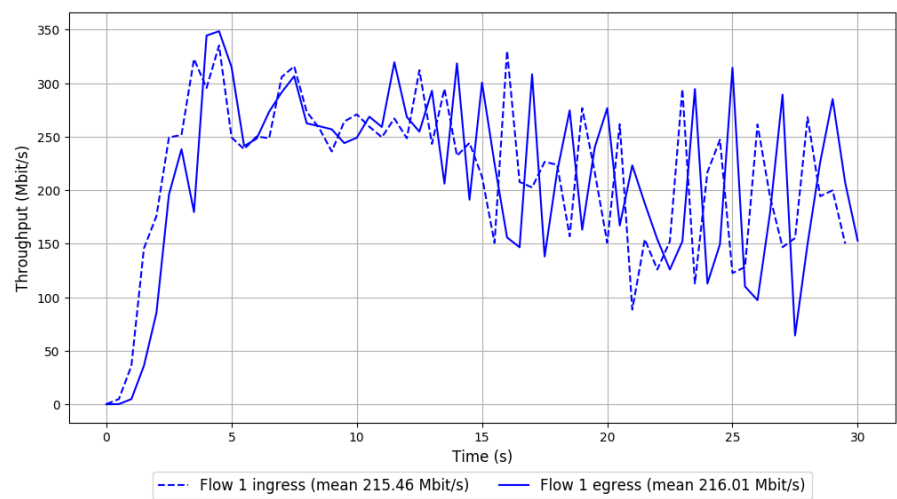


Run 10: Statistics of Verus

Start at: 2018-06-18 21:52:27
End at: 2018-06-18 21:52:57
Local clock offset: -0.126 ms
Remote clock offset: -0.668 ms

Below is generated by plot.py at 2018-06-18 23:23:07
Datalink statistics
-- Total of 1 flow:
Average throughput: 216.01 Mbit/s
95th percentile per-packet one-way delay: 177.350 ms
Loss rate: 0.47%
-- Flow 1:
Average throughput: 216.01 Mbit/s
95th percentile per-packet one-way delay: 177.350 ms
Loss rate: 0.47%

Run 10: Report of Verus — Data Link

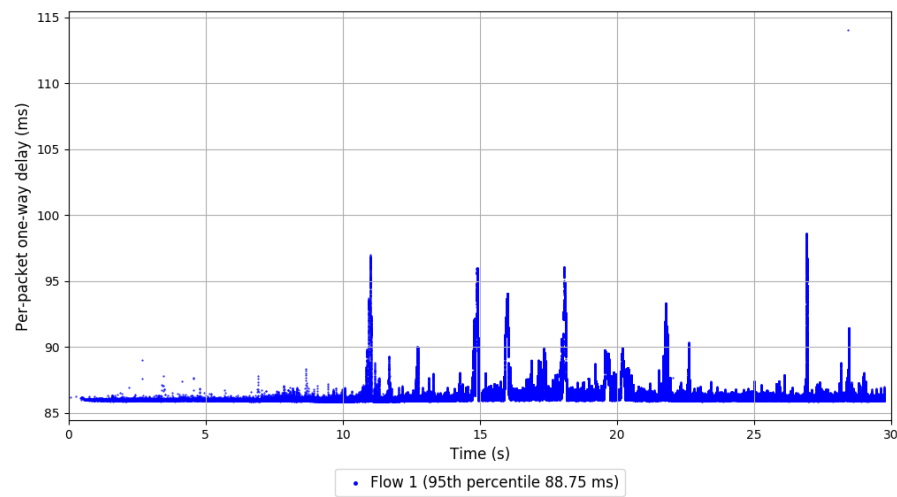
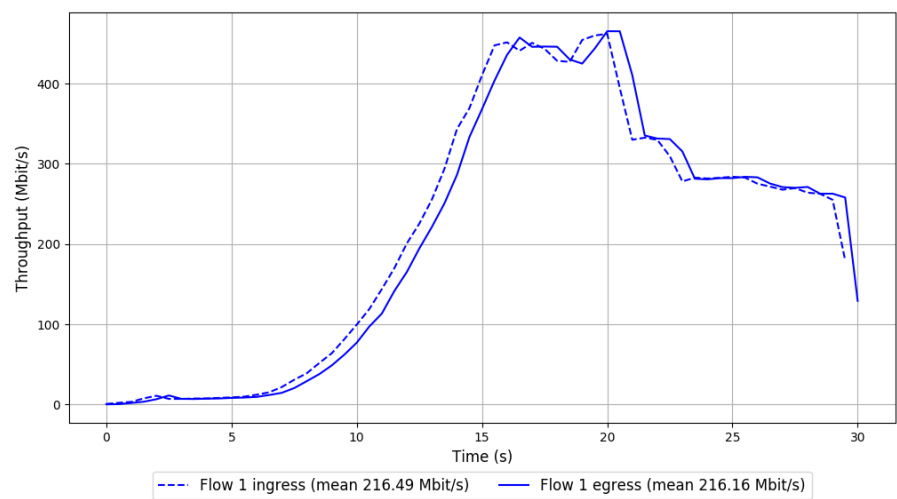


Run 1: Statistics of PCC-Vivace

Start at: 2018-06-18 18:52:07
End at: 2018-06-18 18:52:37
Local clock offset: -0.004 ms
Remote clock offset: -0.007 ms

Below is generated by plot.py at 2018-06-18 23:23:25
Datalink statistics
-- Total of 1 flow:
Average throughput: 216.16 Mbit/s
95th percentile per-packet one-way delay: 88.750 ms
Loss rate: 0.73%
-- Flow 1:
Average throughput: 216.16 Mbit/s
95th percentile per-packet one-way delay: 88.750 ms
Loss rate: 0.73%

Run 1: Report of PCC-Vivace — Data Link

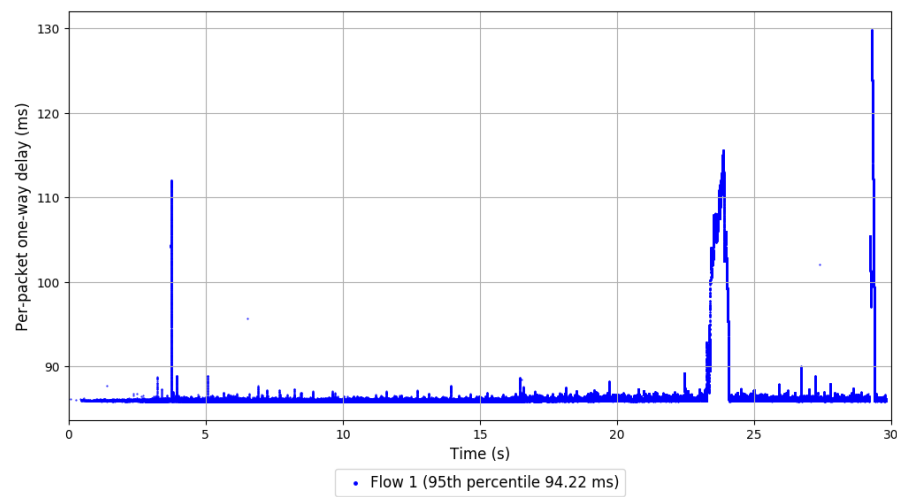
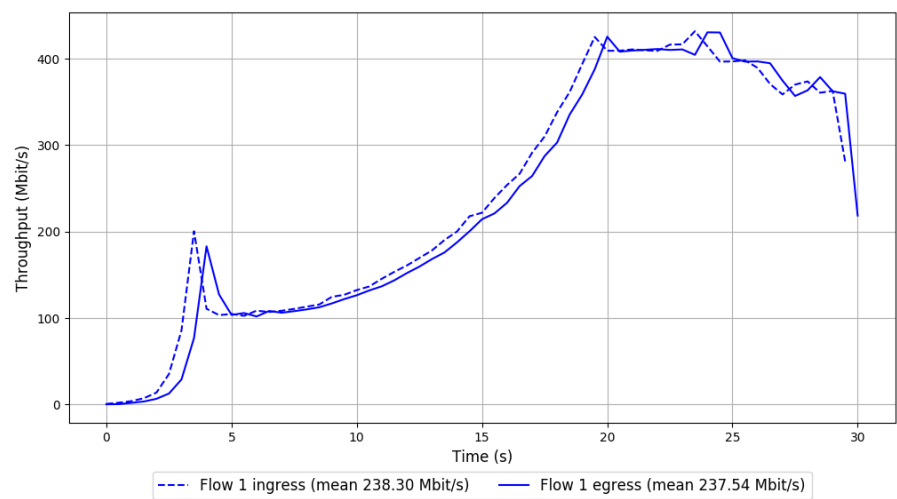


Run 2: Statistics of PCC-Vivace

Start at: 2018-06-18 19:12:14
End at: 2018-06-18 19:12:44
Local clock offset: -0.003 ms
Remote clock offset: -0.053 ms

Below is generated by plot.py at 2018-06-18 23:23:58
Datalink statistics
-- Total of 1 flow:
Average throughput: 237.54 Mbit/s
95th percentile per-packet one-way delay: 94.218 ms
Loss rate: 0.89%
-- Flow 1:
Average throughput: 237.54 Mbit/s
95th percentile per-packet one-way delay: 94.218 ms
Loss rate: 0.89%

Run 2: Report of PCC-Vivace — Data Link

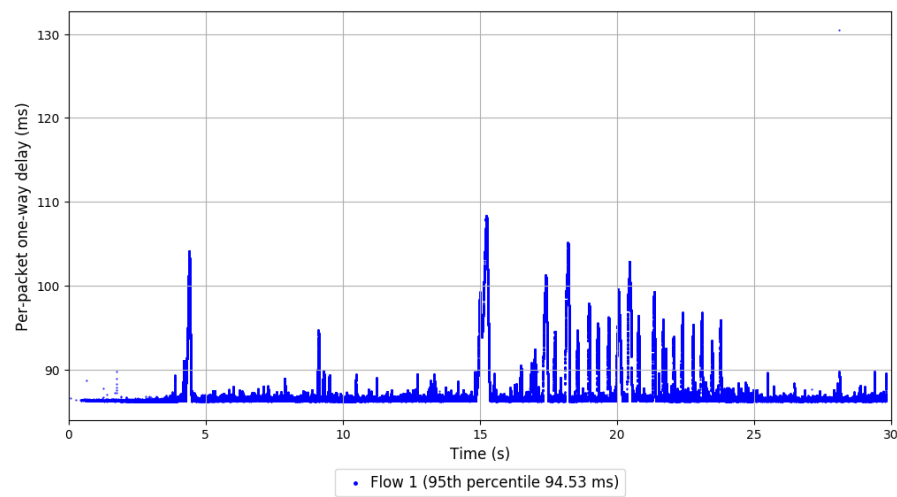
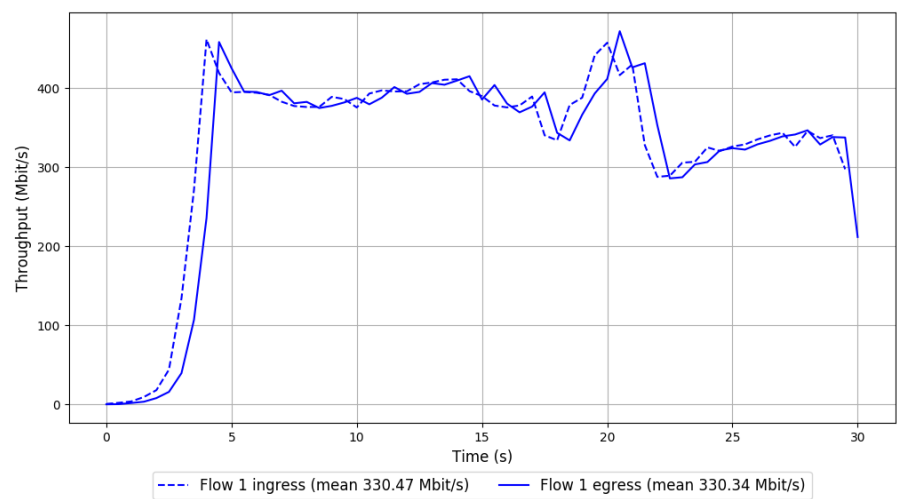


Run 3: Statistics of PCC-Vivace

Start at: 2018-06-18 19:32:43
End at: 2018-06-18 19:33:13
Local clock offset: -0.075 ms
Remote clock offset: -0.107 ms

Below is generated by plot.py at 2018-06-18 23:26:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 330.34 Mbit/s
95th percentile per-packet one-way delay: 94.535 ms
Loss rate: 0.74%
-- Flow 1:
Average throughput: 330.34 Mbit/s
95th percentile per-packet one-way delay: 94.535 ms
Loss rate: 0.74%

Run 3: Report of PCC-Vivace — Data Link

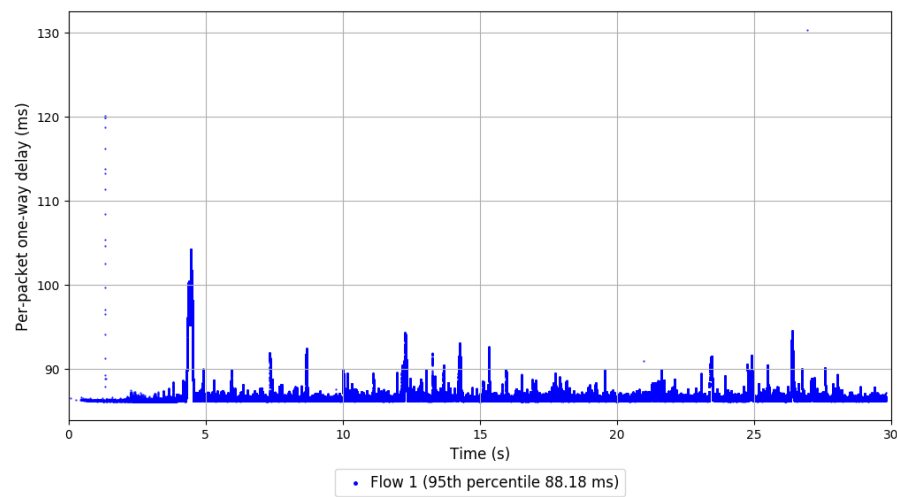
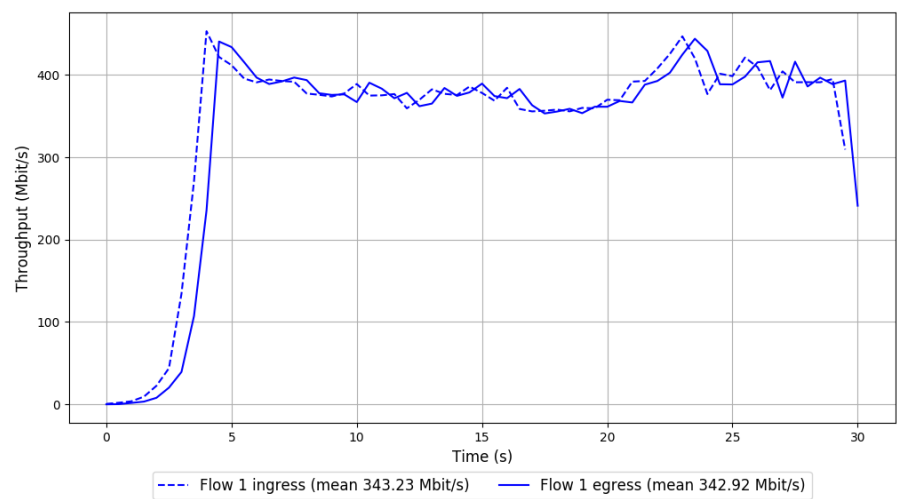


Run 4: Statistics of PCC-Vivace

Start at: 2018-06-18 19:53:18
End at: 2018-06-18 19:53:48
Local clock offset: 0.223 ms
Remote clock offset: -0.247 ms

Below is generated by plot.py at 2018-06-18 23:27:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 342.92 Mbit/s
95th percentile per-packet one-way delay: 88.180 ms
Loss rate: 0.67%
-- Flow 1:
Average throughput: 342.92 Mbit/s
95th percentile per-packet one-way delay: 88.180 ms
Loss rate: 0.67%

Run 4: Report of PCC-Vivace — Data Link

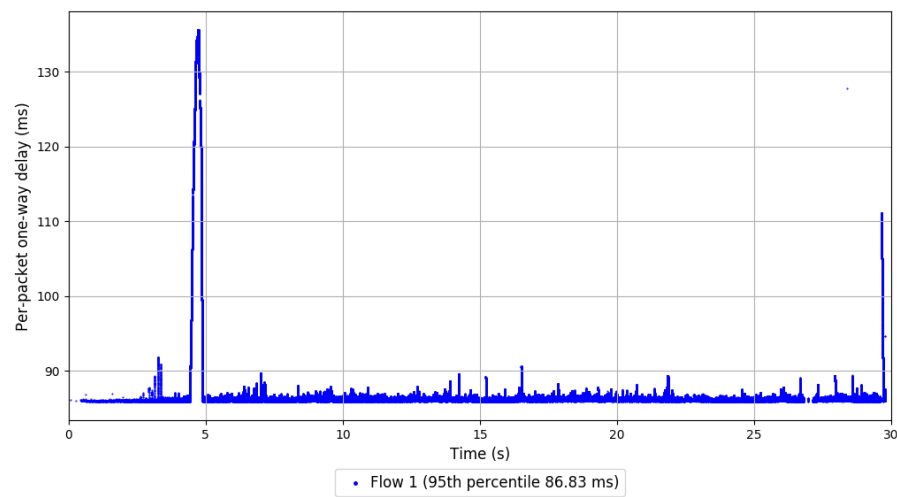
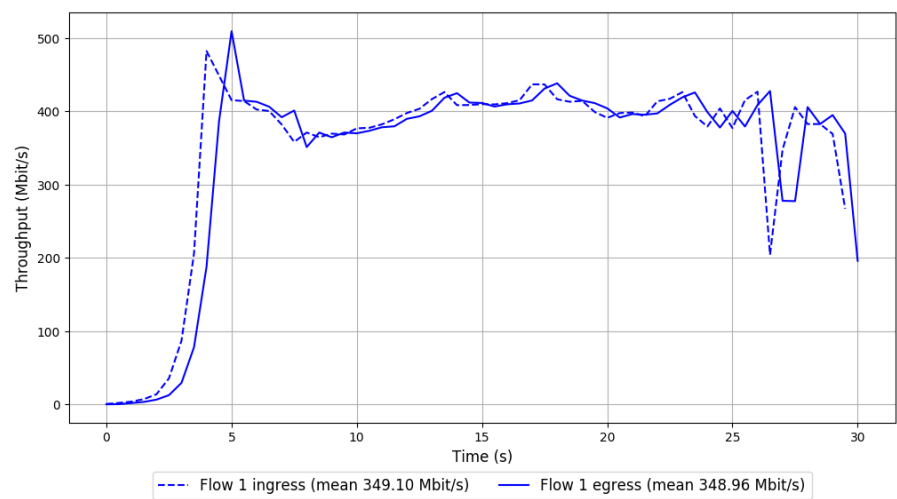


Run 5: Statistics of PCC-Vivace

Start at: 2018-06-18 20:13:56
End at: 2018-06-18 20:14:26
Local clock offset: -0.022 ms
Remote clock offset: -0.327 ms

Below is generated by plot.py at 2018-06-18 23:27:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 348.96 Mbit/s
95th percentile per-packet one-way delay: 86.825 ms
Loss rate: 0.62%
-- Flow 1:
Average throughput: 348.96 Mbit/s
95th percentile per-packet one-way delay: 86.825 ms
Loss rate: 0.62%

Run 5: Report of PCC-Vivace — Data Link

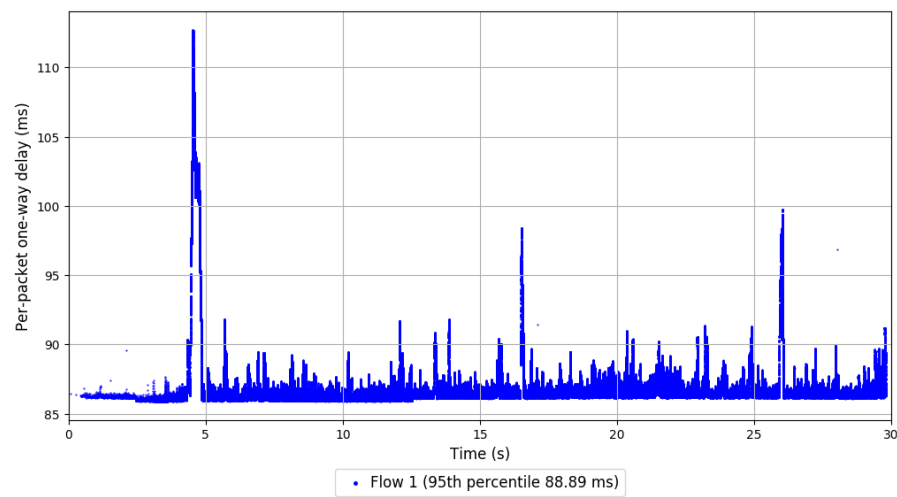
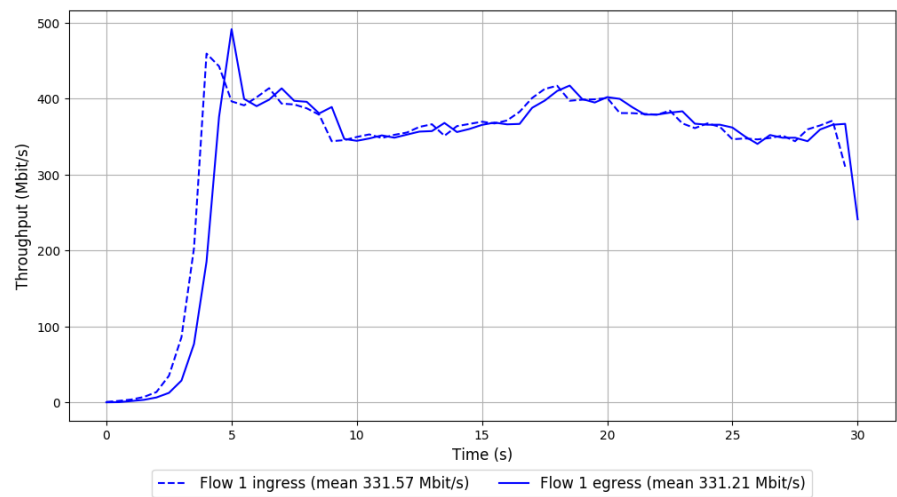


Run 6: Statistics of PCC-Vivace

Start at: 2018-06-18 20:34:25
End at: 2018-06-18 20:34:55
Local clock offset: 0.171 ms
Remote clock offset: -0.345 ms

Below is generated by plot.py at 2018-06-18 23:27:43
Datalink statistics
-- Total of 1 flow:
Average throughput: 331.21 Mbit/s
95th percentile per-packet one-way delay: 88.889 ms
Loss rate: 0.68%
-- Flow 1:
Average throughput: 331.21 Mbit/s
95th percentile per-packet one-way delay: 88.889 ms
Loss rate: 0.68%

Run 6: Report of PCC-Vivace — Data Link

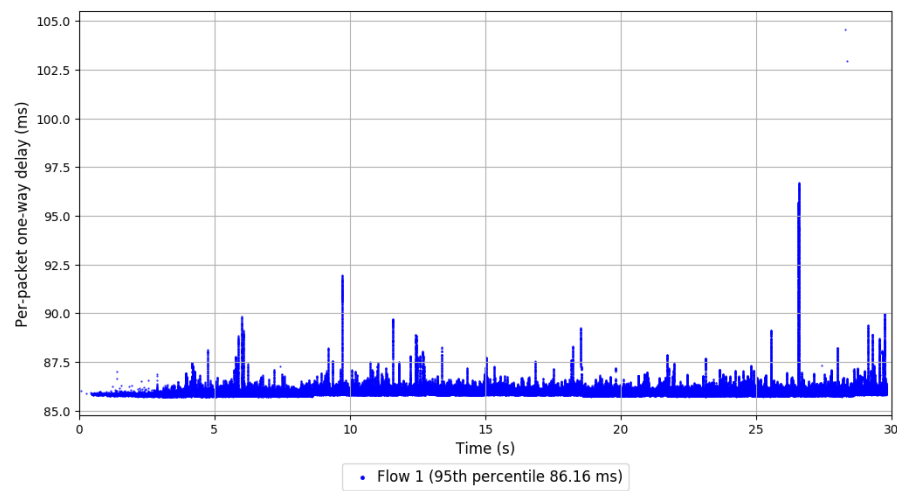
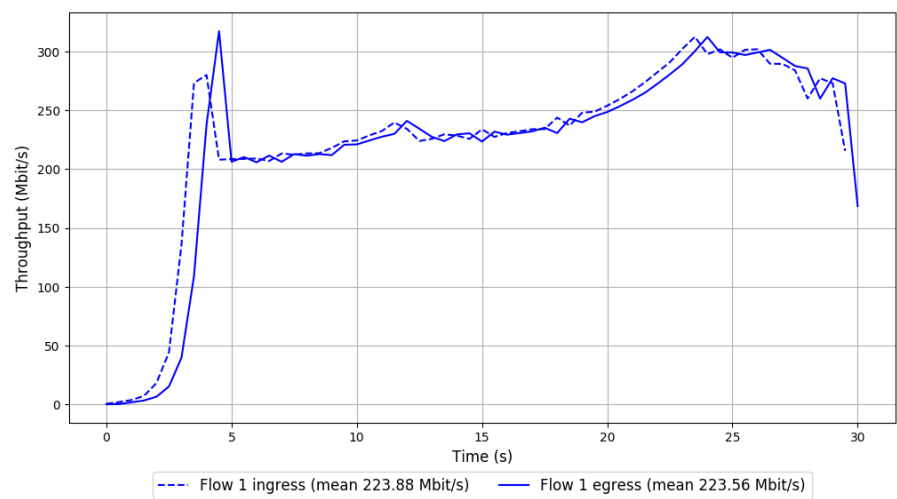


Run 7: Statistics of PCC-Vivace

Start at: 2018-06-18 20:54:49
End at: 2018-06-18 20:55:19
Local clock offset: -0.052 ms
Remote clock offset: -0.438 ms

Below is generated by plot.py at 2018-06-18 23:27:43
Datalink statistics
-- Total of 1 flow:
Average throughput: 223.56 Mbit/s
95th percentile per-packet one-way delay: 86.162 ms
Loss rate: 0.72%
-- Flow 1:
Average throughput: 223.56 Mbit/s
95th percentile per-packet one-way delay: 86.162 ms
Loss rate: 0.72%

Run 7: Report of PCC-Vivace — Data Link

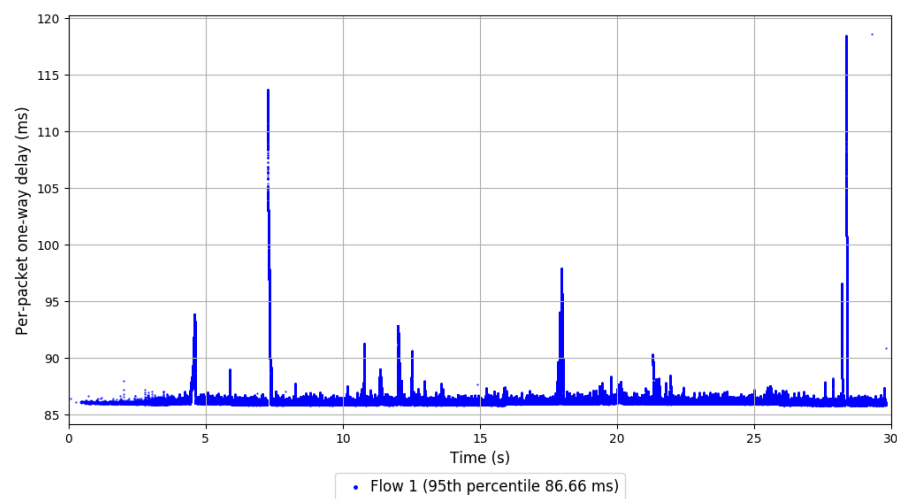
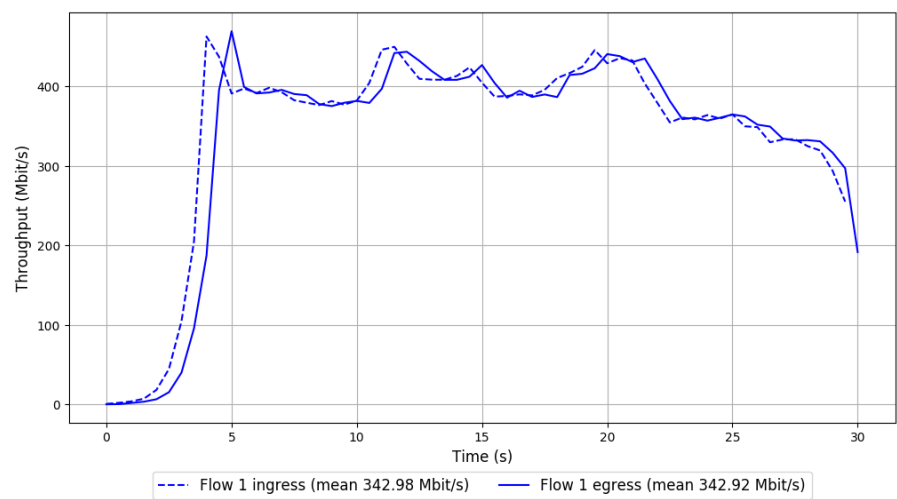


Run 8: Statistics of PCC-Vivace

Start at: 2018-06-18 21:15:12
End at: 2018-06-18 21:15:42
Local clock offset: 0.057 ms
Remote clock offset: -0.482 ms

Below is generated by plot.py at 2018-06-18 23:27:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 342.92 Mbit/s
95th percentile per-packet one-way delay: 86.660 ms
Loss rate: 0.58%
-- Flow 1:
Average throughput: 342.92 Mbit/s
95th percentile per-packet one-way delay: 86.660 ms
Loss rate: 0.58%

Run 8: Report of PCC-Vivace — Data Link

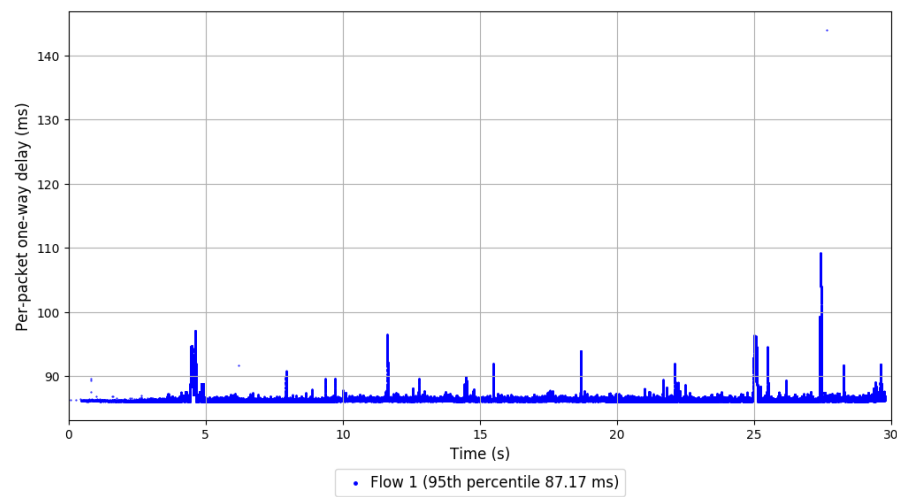
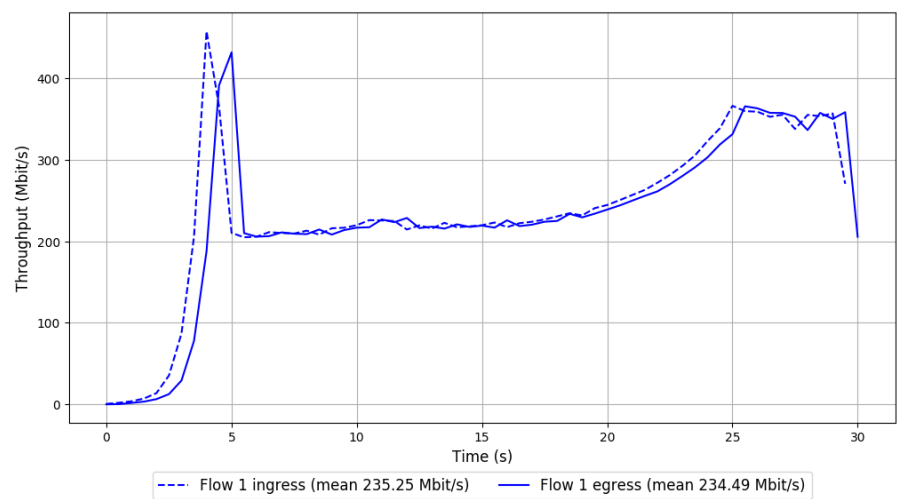


Run 9: Statistics of PCC-Vivace

Start at: 2018-06-18 21:35:48
End at: 2018-06-18 21:36:18
Local clock offset: 0.241 ms
Remote clock offset: -0.549 ms

Below is generated by plot.py at 2018-06-18 23:27:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 234.49 Mbit/s
95th percentile per-packet one-way delay: 87.167 ms
Loss rate: 0.90%
-- Flow 1:
Average throughput: 234.49 Mbit/s
95th percentile per-packet one-way delay: 87.167 ms
Loss rate: 0.90%

Run 9: Report of PCC-Vivace — Data Link

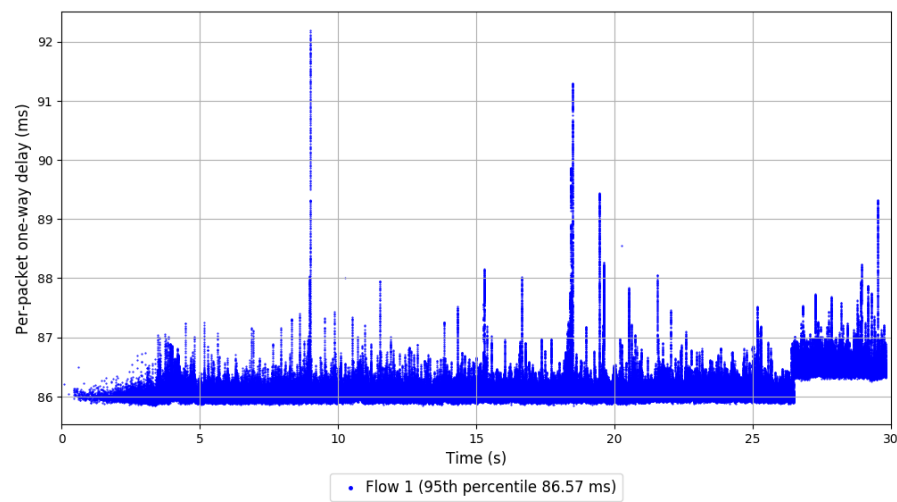
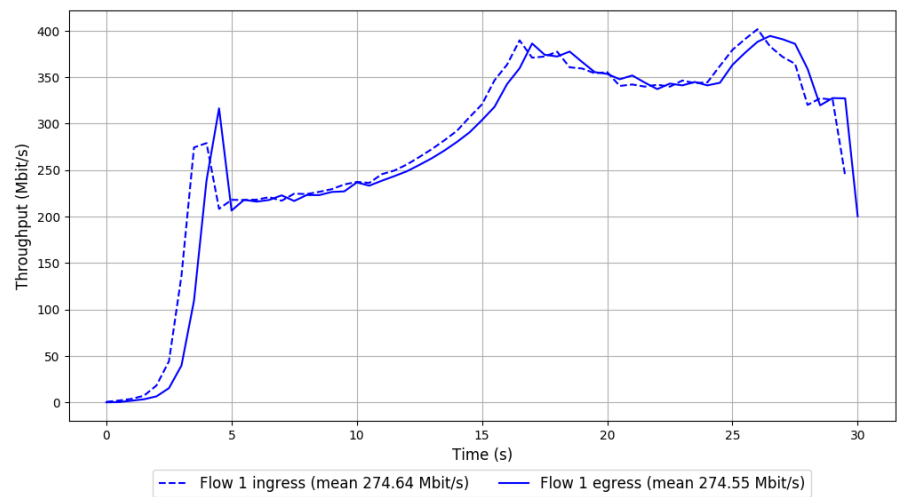


Run 10: Statistics of PCC-Vivace

Start at: 2018-06-18 21:56:21
End at: 2018-06-18 21:56:51
Local clock offset: -0.016 ms
Remote clock offset: -0.654 ms

Below is generated by plot.py at 2018-06-18 23:27:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 274.55 Mbit/s
95th percentile per-packet one-way delay: 86.566 ms
Loss rate: 0.61%
-- Flow 1:
Average throughput: 274.55 Mbit/s
95th percentile per-packet one-way delay: 86.566 ms
Loss rate: 0.61%

Run 10: Report of PCC-Vivace — Data Link



Run 1: Statistics of WebRTC media

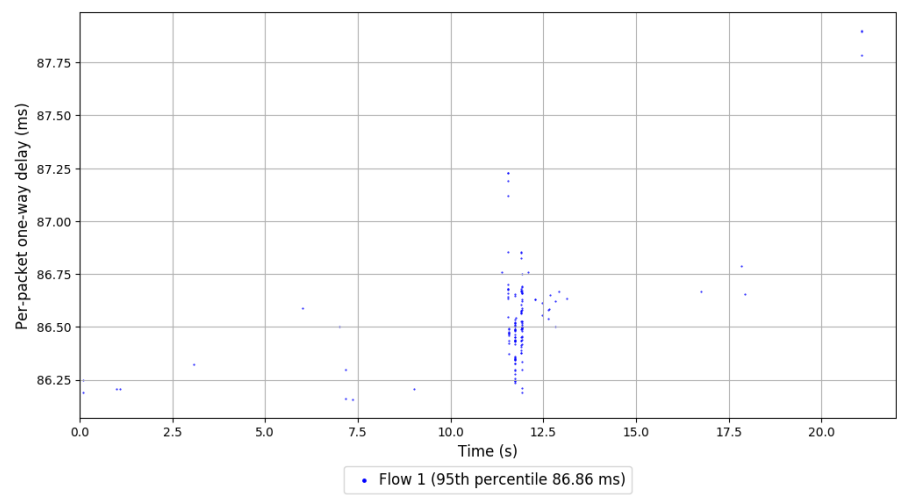
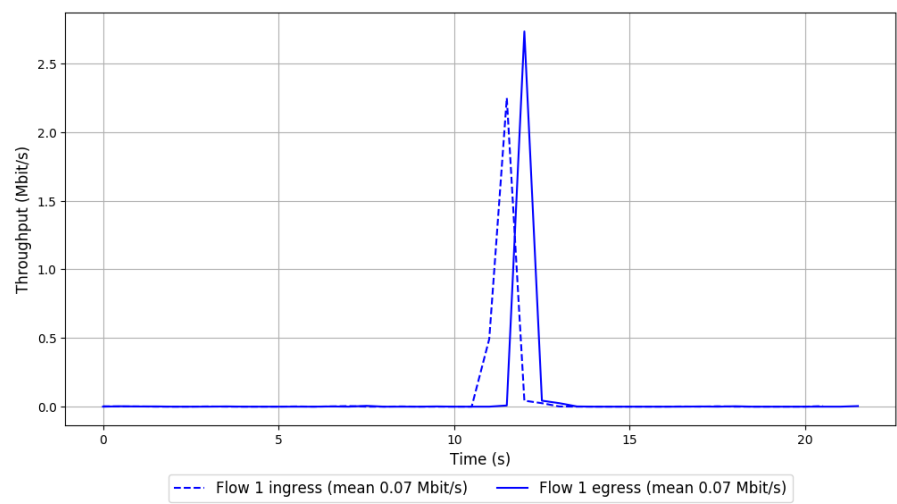
Start at: 2018-06-18 18:51:01

End at: 2018-06-18 18:51:31

Local clock offset: 0.084 ms

Remote clock offset: -0.013 ms

Run 1: Report of WebRTC media — Data Link

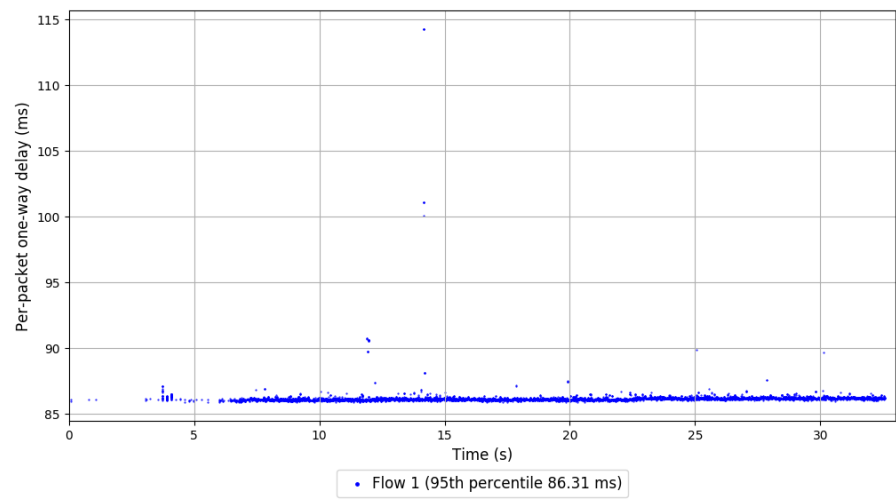
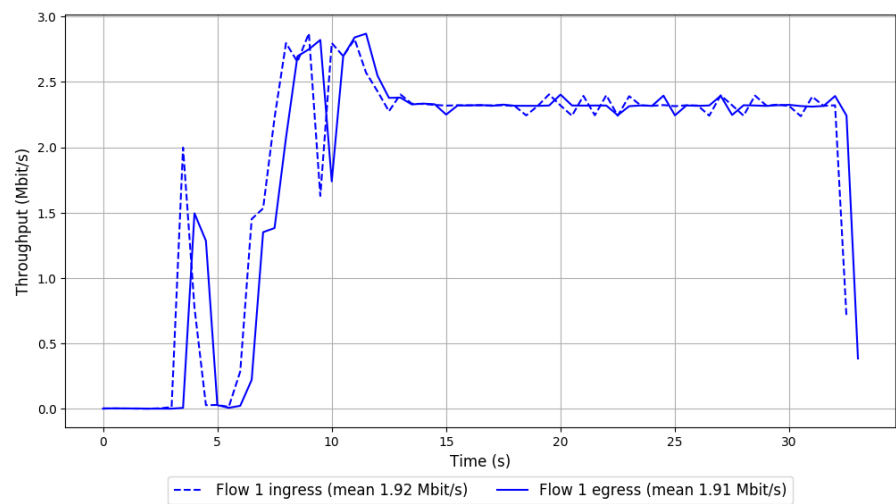


Run 2: Statistics of WebRTC media

Start at: 2018-06-18 19:11:07
End at: 2018-06-18 19:11:37
Local clock offset: -0.013 ms
Remote clock offset: -0.045 ms

Below is generated by plot.py at 2018-06-18 23:27:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.91 Mbit/s
95th percentile per-packet one-way delay: 86.311 ms
Loss rate: 0.62%
-- Flow 1:
Average throughput: 1.91 Mbit/s
95th percentile per-packet one-way delay: 86.311 ms
Loss rate: 0.62%

Run 2: Report of WebRTC media — Data Link

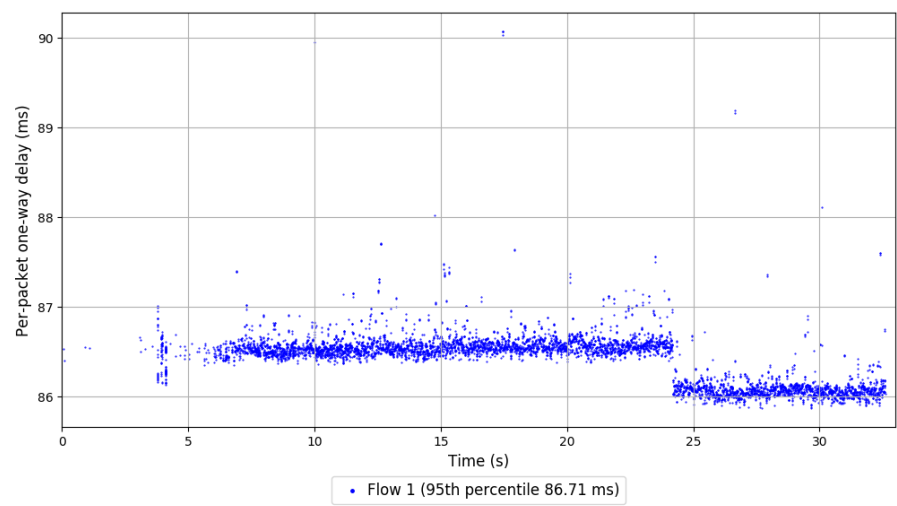
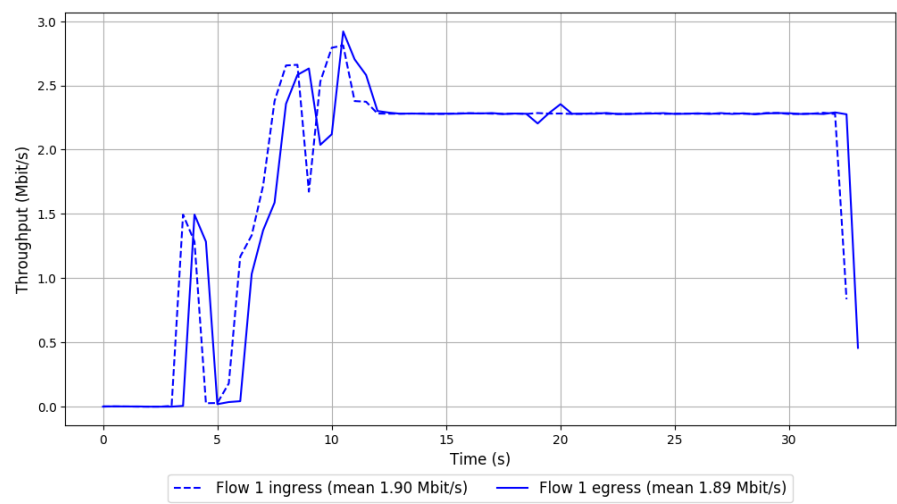


Run 3: Statistics of WebRTC media

Start at: 2018-06-18 19:31:36
End at: 2018-06-18 19:32:06
Local clock offset: 0.043 ms
Remote clock offset: -0.114 ms

Below is generated by plot.py at 2018-06-18 23:27:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.89 Mbit/s
95th percentile per-packet one-way delay: 86.708 ms
Loss rate: 0.61%
-- Flow 1:
Average throughput: 1.89 Mbit/s
95th percentile per-packet one-way delay: 86.708 ms
Loss rate: 0.61%

Run 3: Report of WebRTC media — Data Link

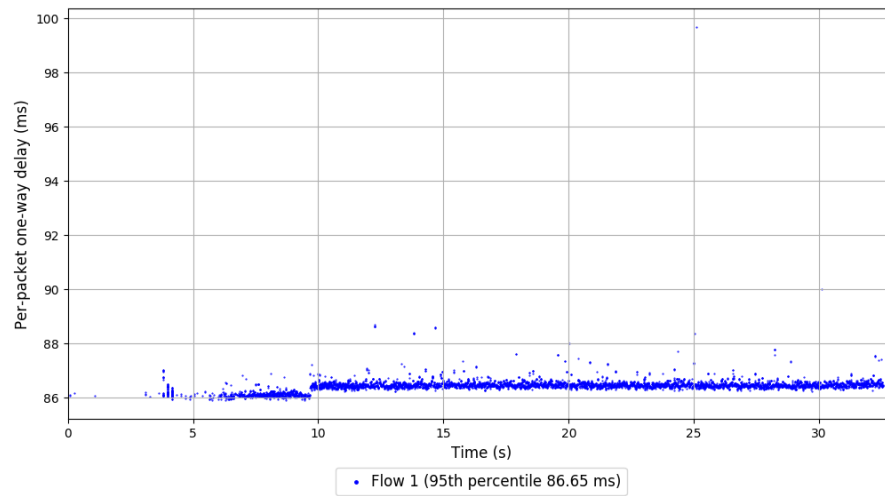
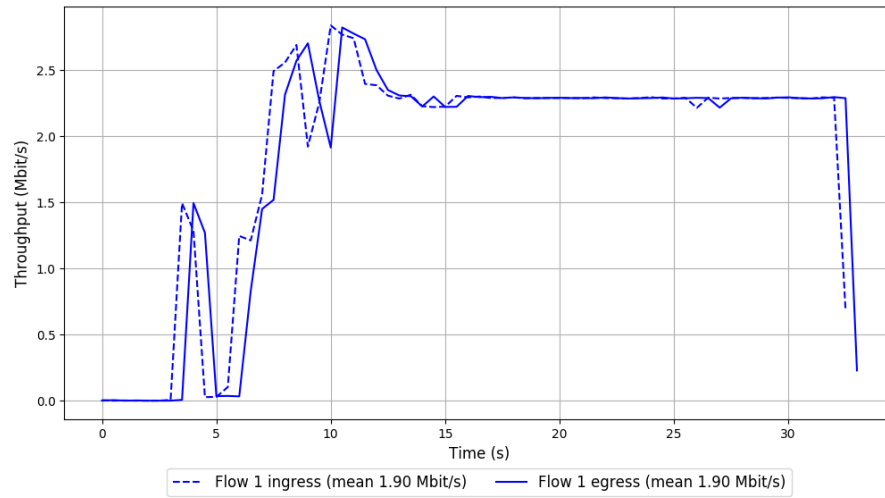


Run 4: Statistics of WebRTC media

Start at: 2018-06-18 19:52:11
End at: 2018-06-18 19:52:41
Local clock offset: -0.075 ms
Remote clock offset: -0.261 ms

Below is generated by plot.py at 2018-06-18 23:27:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.90 Mbit/s
95th percentile per-packet one-way delay: 86.648 ms
Loss rate: 0.68%
-- Flow 1:
Average throughput: 1.90 Mbit/s
95th percentile per-packet one-way delay: 86.648 ms
Loss rate: 0.68%

Run 4: Report of WebRTC media — Data Link

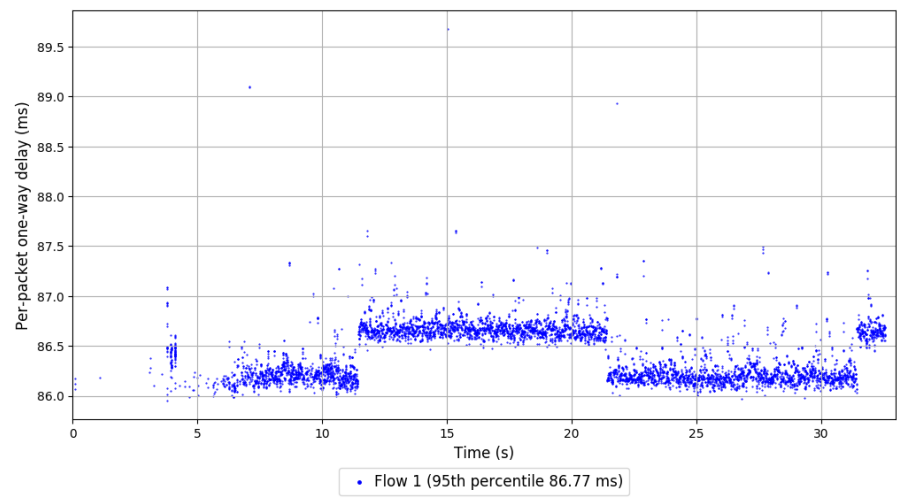
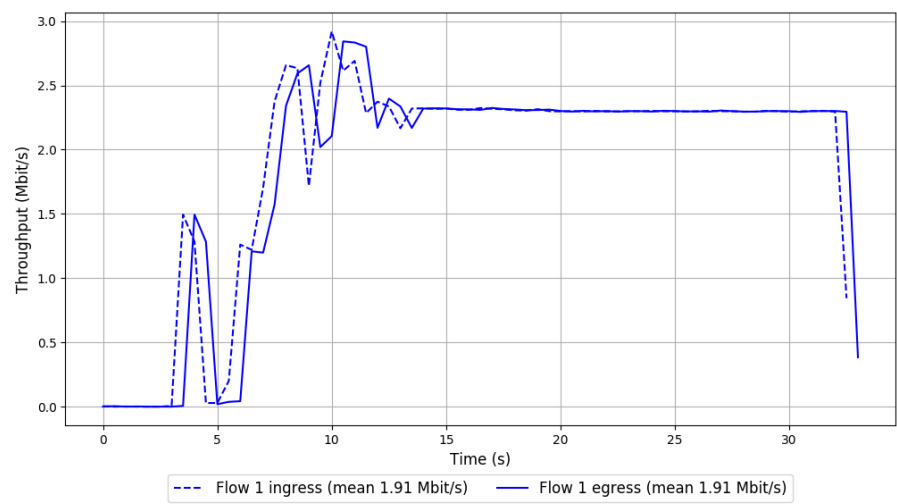


Run 5: Statistics of WebRTC media

Start at: 2018-06-18 20:12:49
End at: 2018-06-18 20:13:19
Local clock offset: 0.202 ms
Remote clock offset: -0.306 ms

Below is generated by plot.py at 2018-06-18 23:27:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.91 Mbit/s
95th percentile per-packet one-way delay: 86.773 ms
Loss rate: 0.68%
-- Flow 1:
Average throughput: 1.91 Mbit/s
95th percentile per-packet one-way delay: 86.773 ms
Loss rate: 0.68%

Run 5: Report of WebRTC media — Data Link

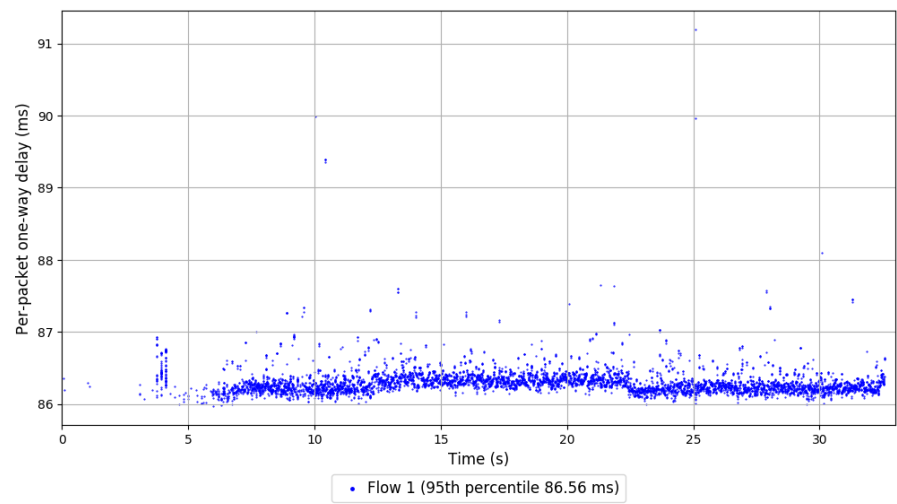
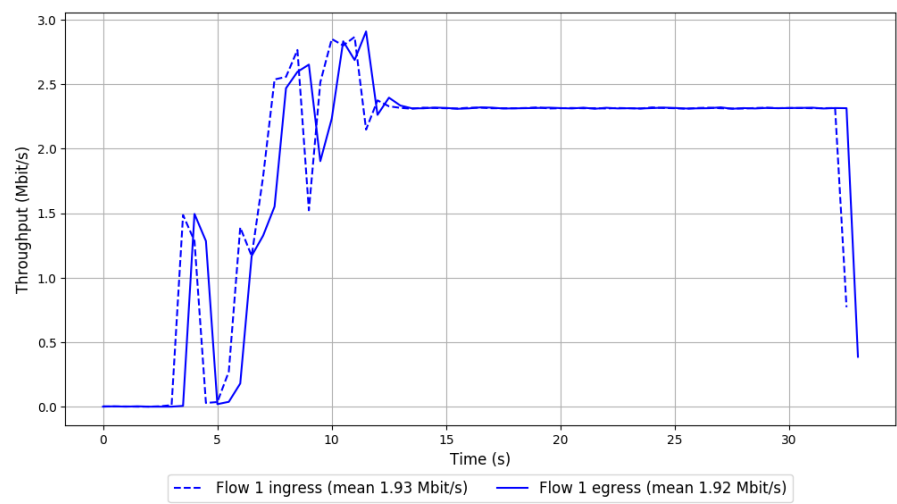


Run 6: Statistics of WebRTC media

Start at: 2018-06-18 20:33:18
End at: 2018-06-18 20:33:48
Local clock offset: 0.183 ms
Remote clock offset: -0.365 ms

Below is generated by plot.py at 2018-06-18 23:27:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.92 Mbit/s
95th percentile per-packet one-way delay: 86.556 ms
Loss rate: 0.61%
-- Flow 1:
Average throughput: 1.92 Mbit/s
95th percentile per-packet one-way delay: 86.556 ms
Loss rate: 0.61%

Run 6: Report of WebRTC media — Data Link

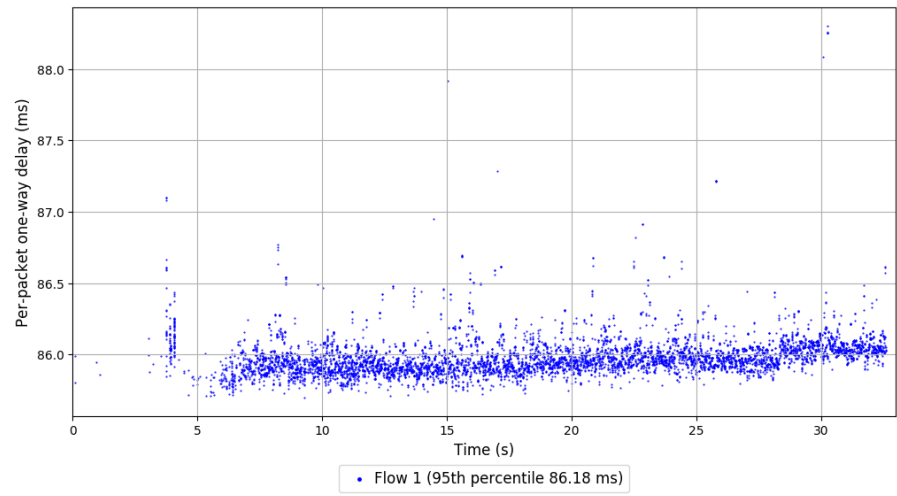
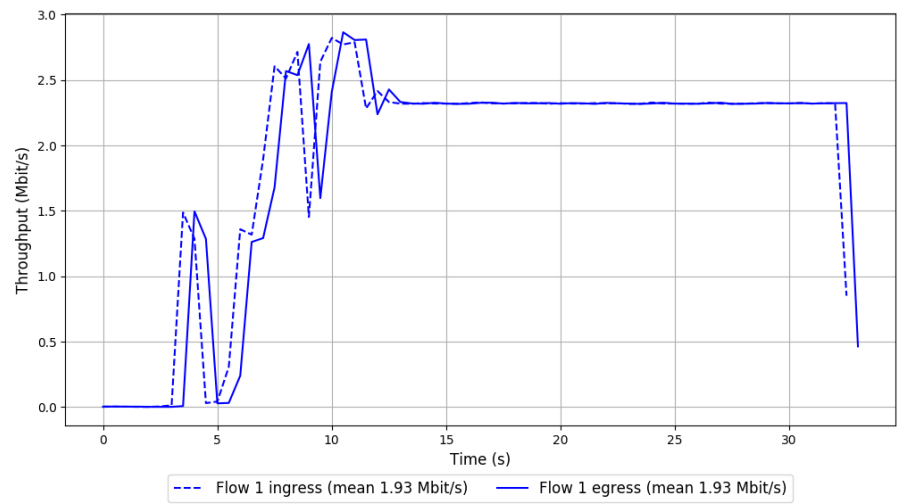


Run 7: Statistics of WebRTC media

Start at: 2018-06-18 20:53:42
End at: 2018-06-18 20:54:12
Local clock offset: -0.057 ms
Remote clock offset: -0.448 ms

Below is generated by plot.py at 2018-06-18 23:27:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.93 Mbit/s
95th percentile per-packet one-way delay: 86.182 ms
Loss rate: 0.61%
-- Flow 1:
Average throughput: 1.93 Mbit/s
95th percentile per-packet one-way delay: 86.182 ms
Loss rate: 0.61%

Run 7: Report of WebRTC media — Data Link

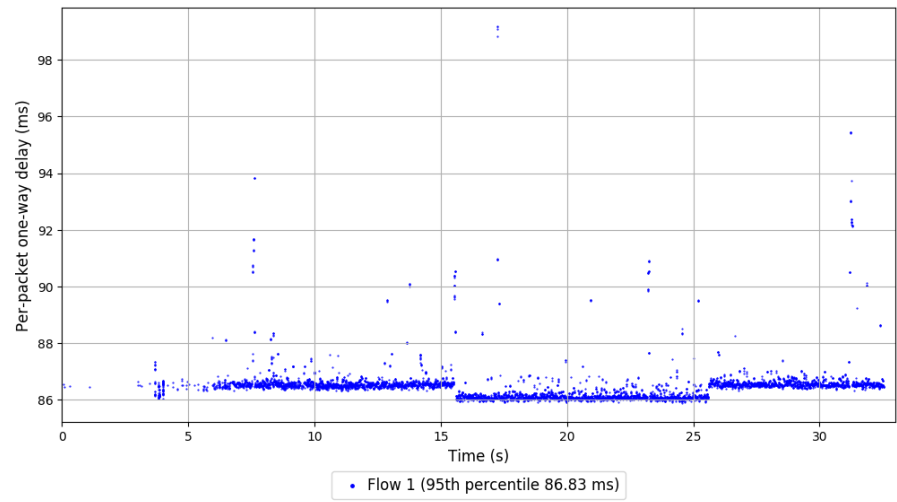
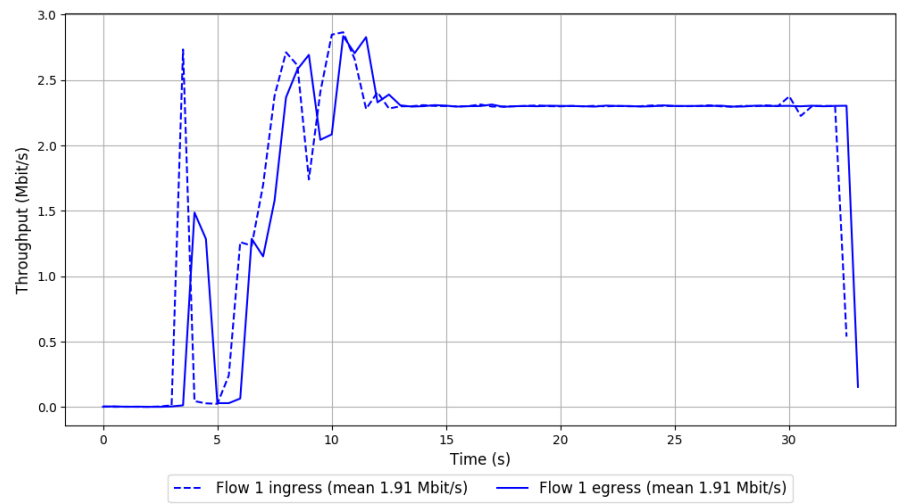


Run 8: Statistics of WebRTC media

Start at: 2018-06-18 21:14:05
End at: 2018-06-18 21:14:35
Local clock offset: 0.155 ms
Remote clock offset: -0.433 ms

Below is generated by plot.py at 2018-06-18 23:27:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.91 Mbit/s
95th percentile per-packet one-way delay: 86.832 ms
Loss rate: 0.61%
-- Flow 1:
Average throughput: 1.91 Mbit/s
95th percentile per-packet one-way delay: 86.832 ms
Loss rate: 0.61%

Run 8: Report of WebRTC media — Data Link



Run 9: Statistics of WebRTC media

Start at: 2018-06-18 21:34:41

End at: 2018-06-18 21:35:11

Local clock offset: 0.081 ms

Remote clock offset: -0.58 ms

Below is generated by plot.py at 2018-06-18 23:27:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.91 Mbit/s

95th percentile per-packet one-way delay: 86.452 ms

Loss rate: 0.68%

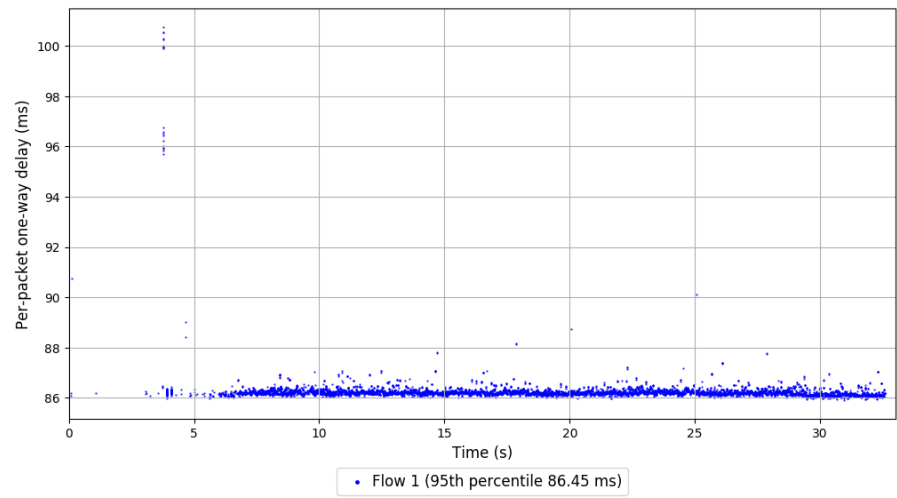
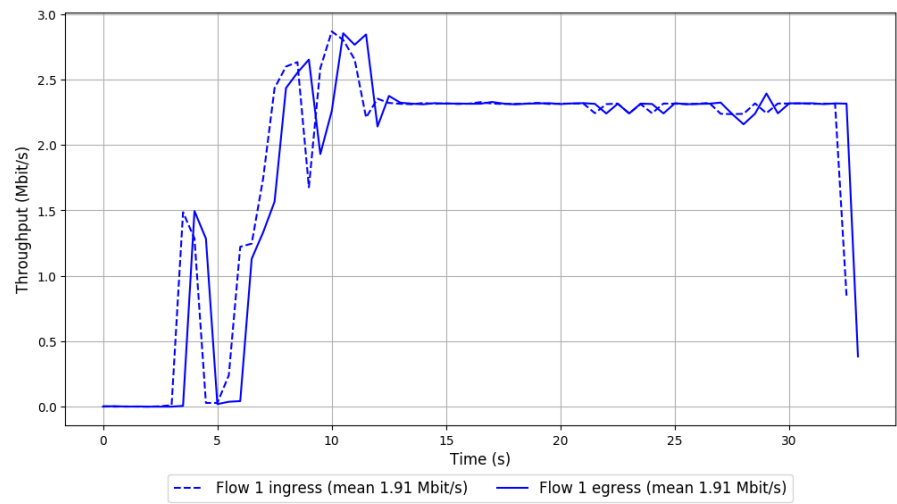
-- Flow 1:

Average throughput: 1.91 Mbit/s

95th percentile per-packet one-way delay: 86.452 ms

Loss rate: 0.68%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-06-18 21:55:14

End at: 2018-06-18 21:55:44

Local clock offset: 0.285 ms

Remote clock offset: -0.657 ms

Below is generated by plot.py at 2018-06-18 23:27:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.88 Mbit/s

95th percentile per-packet one-way delay: 86.970 ms

Loss rate: 0.68%

-- Flow 1:

Average throughput: 1.88 Mbit/s

95th percentile per-packet one-way delay: 86.970 ms

Loss rate: 0.68%

Run 10: Report of WebRTC media — Data Link

