

Pantheon Report

Generated at 2018-08-01 17:41:11 (UTC).

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

Repeated the test of 17 congestion control schemes 10 times.

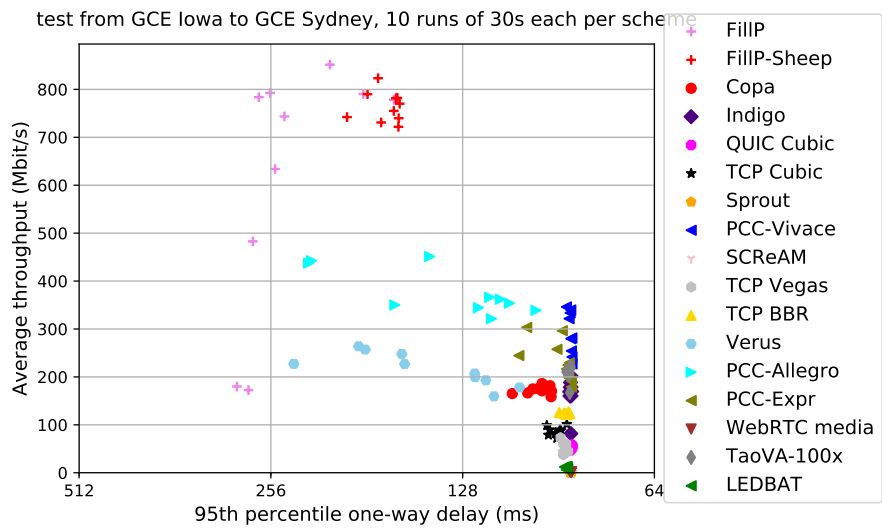
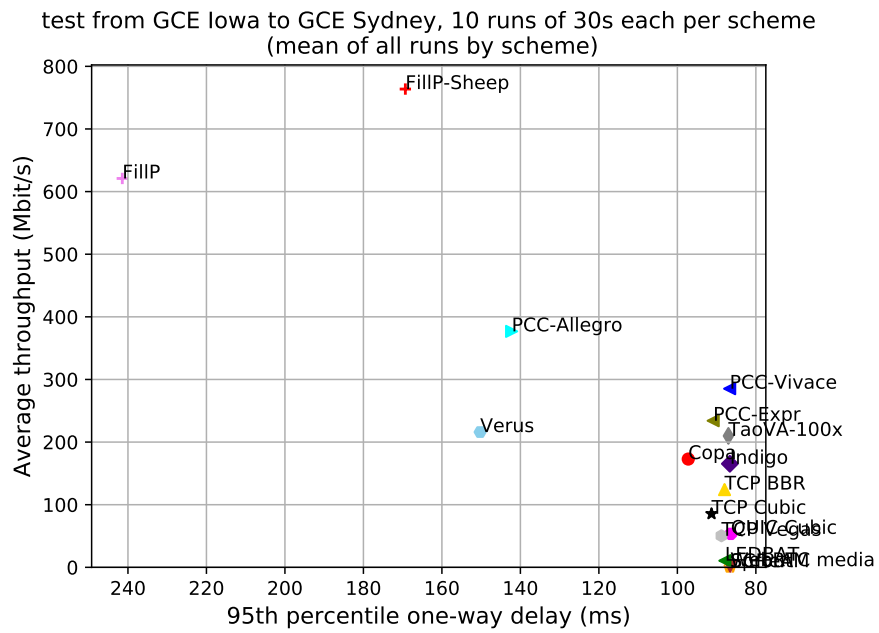
Each test lasted for 30 seconds running 1 flow.

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

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

Git summary:

```
branch: master @ 640164b5b17c7c6561fff57729b3b5935d8596ce
third_party/llp @ d47f4fa1b454a5e3c0537115c5a28436dbd4b834
third_party/llp-sheep @ daed0c84f98531712514b2231f43ec6901114ffe
third_party/genericCC @ d0153f8e594aa89e93b032143cedbdf5e562f4
third_party/indigo @ 2601c92e4aa9d58d38dc4dfe0ecdbf90c077e64d
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ 6f038ed31259d366f9840f65b82cbe8f464b1b39
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
M receiver/src/buffer.h
M receiver/src/core.cpp
M sender/src/buffer.h
M sender/src/core.cpp
third_party/pcc-experimental @ cd43e34e3f5f5613e8acd08fab92c4eb24f974ab
third_party/proto-quic @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream-reproduce @ f099118d1421aa3131bf11ff1964974e1da3bdb2
M src/ScreamClient
M src/ScreamServer
third_party/sprout @ 366e35c6178b01e31d4a46ad18c74f9415f19a26
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
M src/verus.hpp
M tools/plot.py
third_party/vivace @ 2baf86211435ae071a32f96b7d8c504587f5d7f4
third_party/webRTC @ 3f0cc2a9061a41b6f9dde4735770d143a1fa2851
```



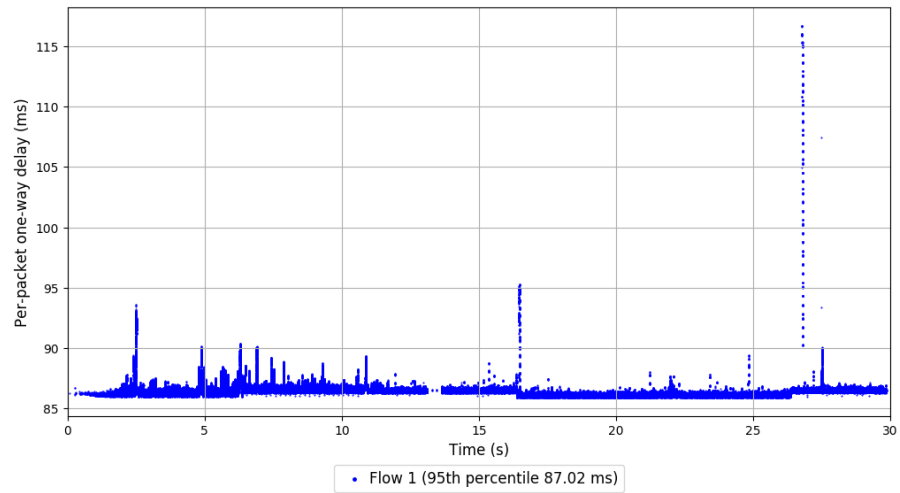
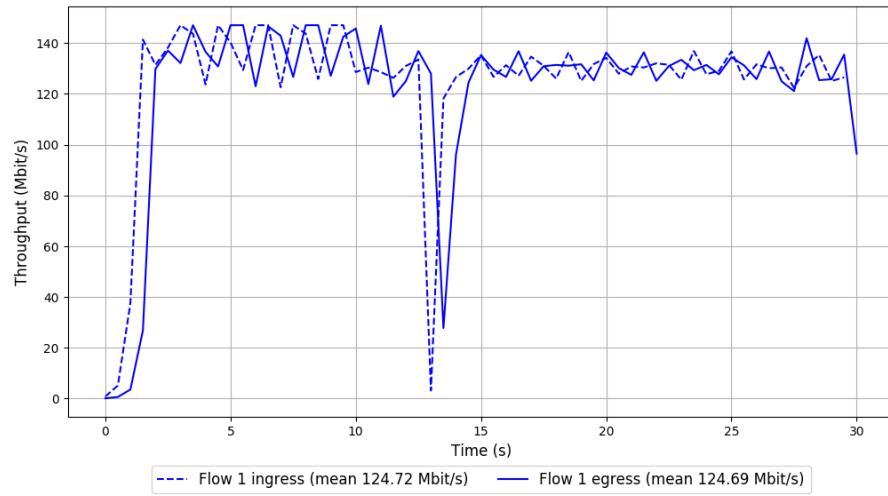
scheme	# runs	mean avg tput (Mbit/s) flow 1	mean 95th-%ile delay (ms) flow 1	mean loss rate (%) flow 1
TCP BBR	10	124.16	87.98	0.62
Copa	10	172.87	97.23	0.64
TCP Cubic	10	85.45	91.30	0.63
FillP	10	620.96	241.44	3.17
FillP-Sheep	10	763.72	169.31	1.70
Indigo	9	165.35	86.63	0.60
LEDBAT	10	10.60	87.90	1.25
PCC-Allegro	10	376.78	142.23	1.46
PCC-Expr	10	234.09	90.88	0.72
QUIC Cubic	9	53.44	86.38	0.83
SCReAM	10	0.22	86.48	0.56
Sprout	10	0.26	86.62	0.45
TaoVA-100x	10	209.89	87.00	0.63
TCP Vegas	10	50.34	88.77	0.63
Verus	10	216.00	150.26	0.69
PCC-Vivace	10	285.26	86.68	0.67
WebRTC media	9	1.86	86.55	0.64

Run 1: Statistics of TCP BBR

Start at: 2018-08-01 12:36:22
End at: 2018-08-01 12:36:52
Local clock offset: 0.039 ms
Remote clock offset: -0.111 ms

Below is generated by plot.py at 2018-08-01 16:09:35
Datalink statistics
-- Total of 1 flow:
Average throughput: 124.69 Mbit/s
95th percentile per-packet one-way delay: 87.023 ms
Loss rate: 0.66%
-- Flow 1:
Average throughput: 124.69 Mbit/s
95th percentile per-packet one-way delay: 87.023 ms
Loss rate: 0.66%

Run 1: Report of TCP BBR — Data Link

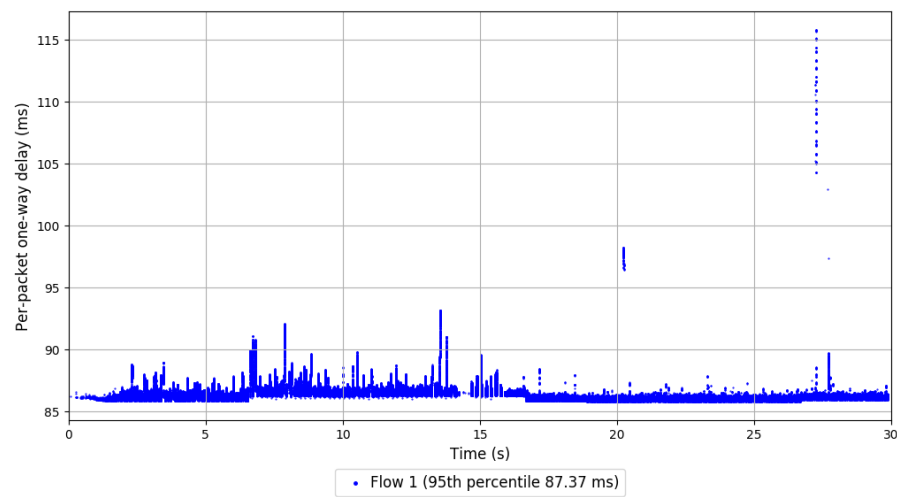
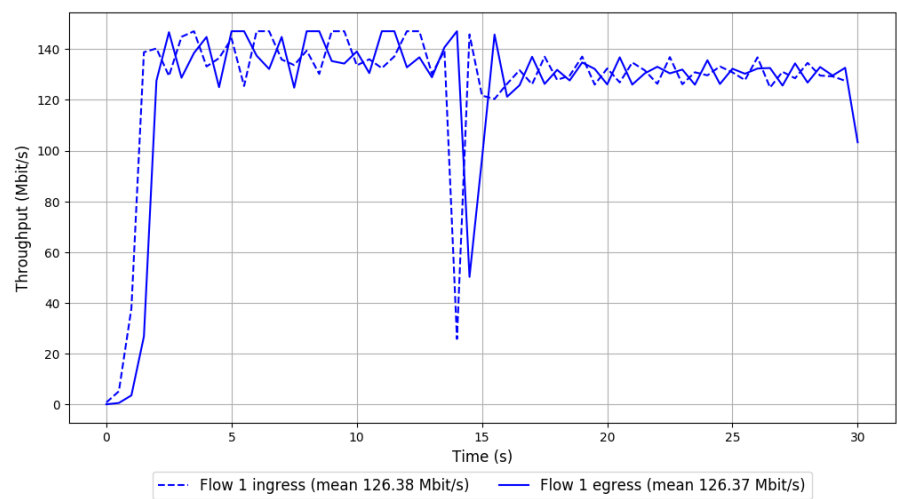


Run 2: Statistics of TCP BBR

Start at: 2018-08-01 12:58:42
End at: 2018-08-01 12:59:12
Local clock offset: 0.068 ms
Remote clock offset: -0.048 ms

Below is generated by plot.py at 2018-08-01 16:09:38
Datalink statistics
-- Total of 1 flow:
Average throughput: 126.37 Mbit/s
95th percentile per-packet one-way delay: 87.369 ms
Loss rate: 0.59%
-- Flow 1:
Average throughput: 126.37 Mbit/s
95th percentile per-packet one-way delay: 87.369 ms
Loss rate: 0.59%

Run 2: Report of TCP BBR — Data Link

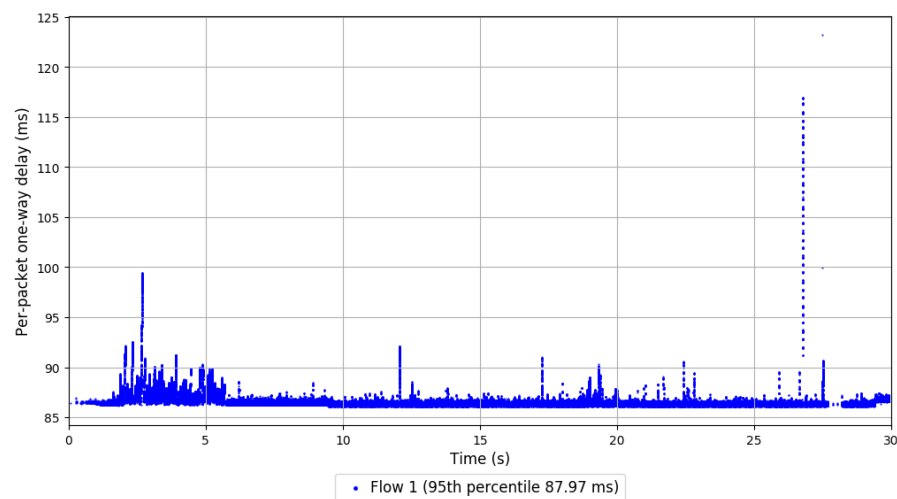
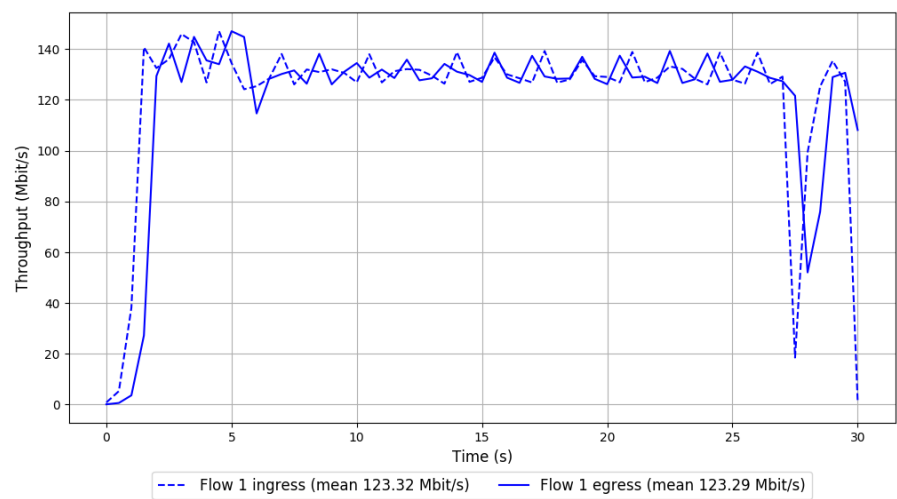


Run 3: Statistics of TCP BBR

Start at: 2018-08-01 13:20:39
End at: 2018-08-01 13:21:09
Local clock offset: 0.286 ms
Remote clock offset: -0.073 ms

Below is generated by plot.py at 2018-08-01 16:09:38
Datalink statistics
-- Total of 1 flow:
Average throughput: 123.29 Mbit/s
95th percentile per-packet one-way delay: 87.973 ms
Loss rate: 0.60%
-- Flow 1:
Average throughput: 123.29 Mbit/s
95th percentile per-packet one-way delay: 87.973 ms
Loss rate: 0.60%

Run 3: Report of TCP BBR — Data Link

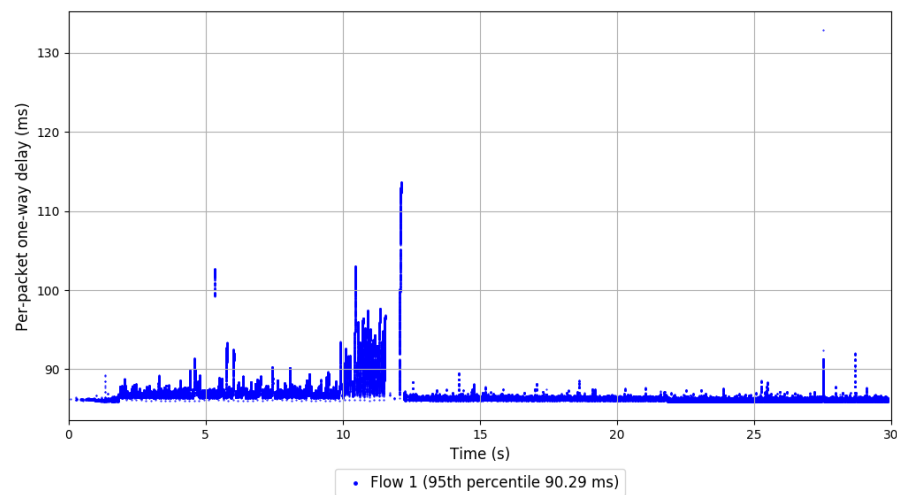
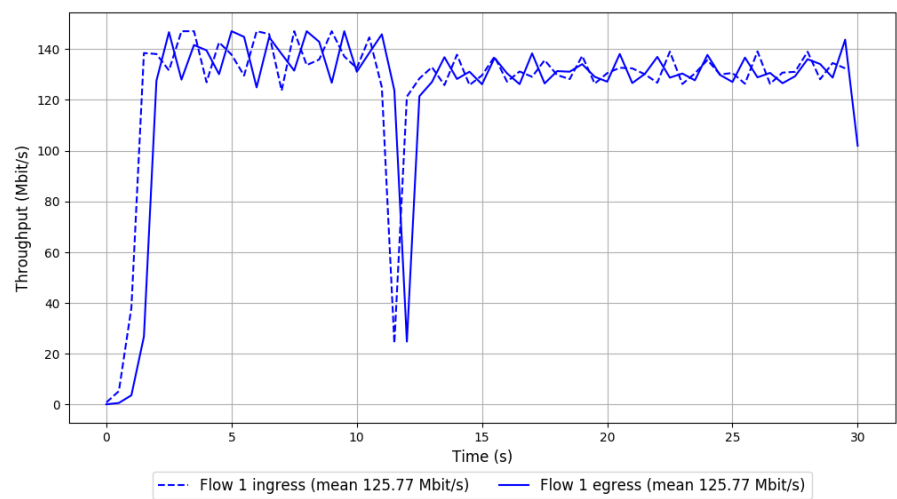


Run 4: Statistics of TCP BBR

Start at: 2018-08-01 13:42:57
End at: 2018-08-01 13:43:27
Local clock offset: 0.09 ms
Remote clock offset: -0.092 ms

Below is generated by plot.py at 2018-08-01 16:09:38
Datalink statistics
-- Total of 1 flow:
Average throughput: 125.77 Mbit/s
95th percentile per-packet one-way delay: 90.288 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 125.77 Mbit/s
95th percentile per-packet one-way delay: 90.288 ms
Loss rate: 0.64%

Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: 2018-08-01 14:05:23

End at: 2018-08-01 14:05:53

Local clock offset: 0.224 ms

Remote clock offset: -0.067 ms

Below is generated by plot.py at 2018-08-01 16:09:38

Datalink statistics

-- Total of 1 flow:

Average throughput: 123.33 Mbit/s

95th percentile per-packet one-way delay: 88.621 ms

Loss rate: 0.60%

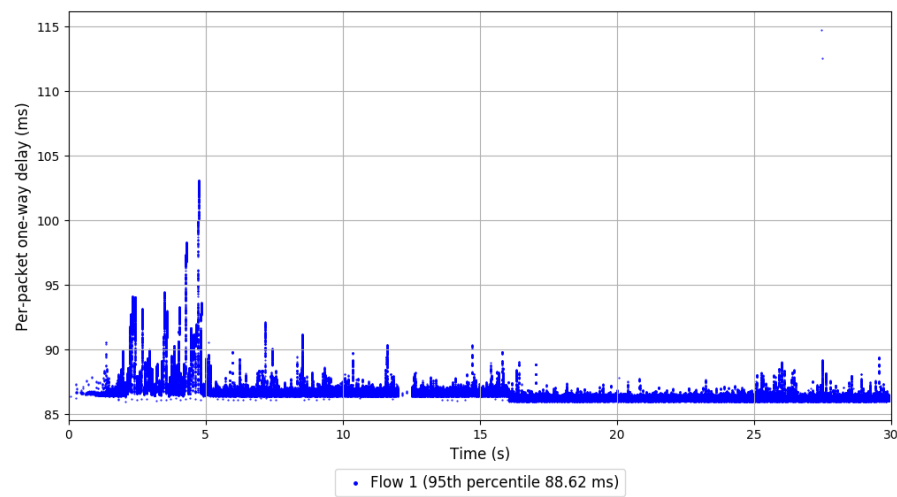
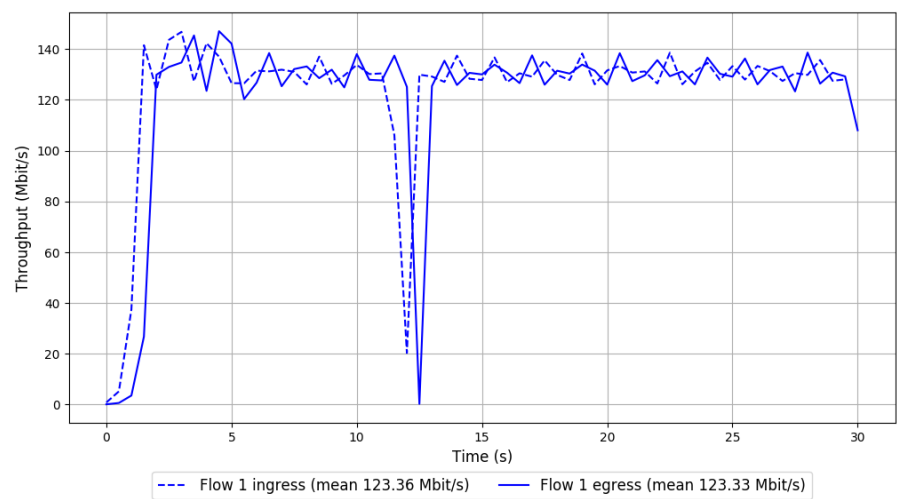
-- Flow 1:

Average throughput: 123.33 Mbit/s

95th percentile per-packet one-way delay: 88.621 ms

Loss rate: 0.60%

Run 5: Report of TCP BBR — Data Link



Run 6: Statistics of TCP BBR

Start at: 2018-08-01 14:27:35

End at: 2018-08-01 14:28:05

Local clock offset: 0.118 ms

Remote clock offset: -0.13 ms

Below is generated by plot.py at 2018-08-01 16:09:38

Datalink statistics

-- Total of 1 flow:

Average throughput: 121.76 Mbit/s

95th percentile per-packet one-way delay: 87.861 ms

Loss rate: 0.60%

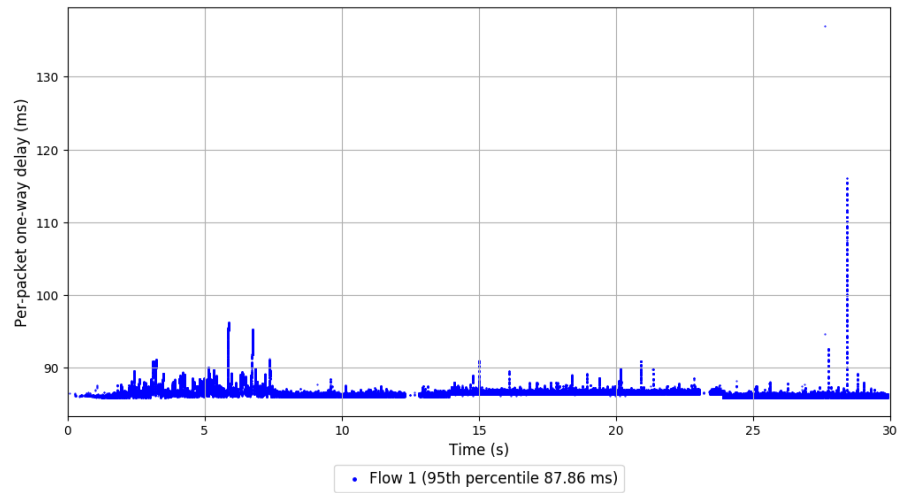
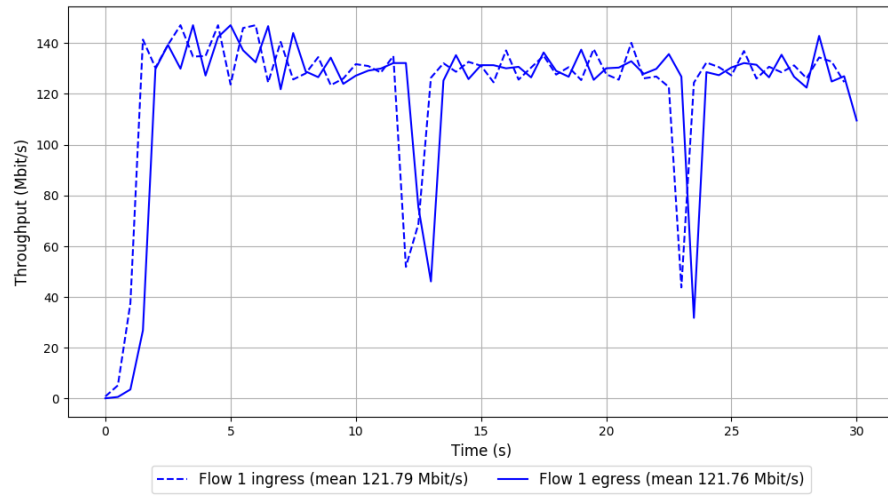
-- Flow 1:

Average throughput: 121.76 Mbit/s

95th percentile per-packet one-way delay: 87.861 ms

Loss rate: 0.60%

Run 6: Report of TCP BBR — Data Link

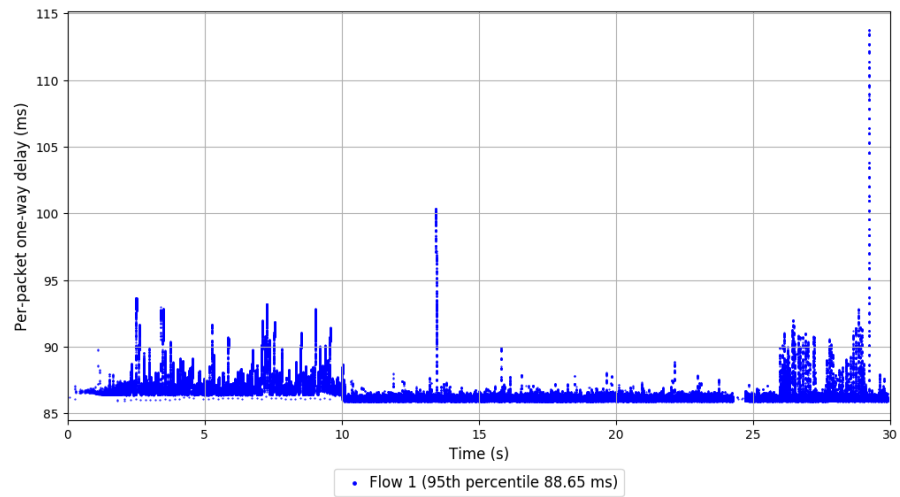
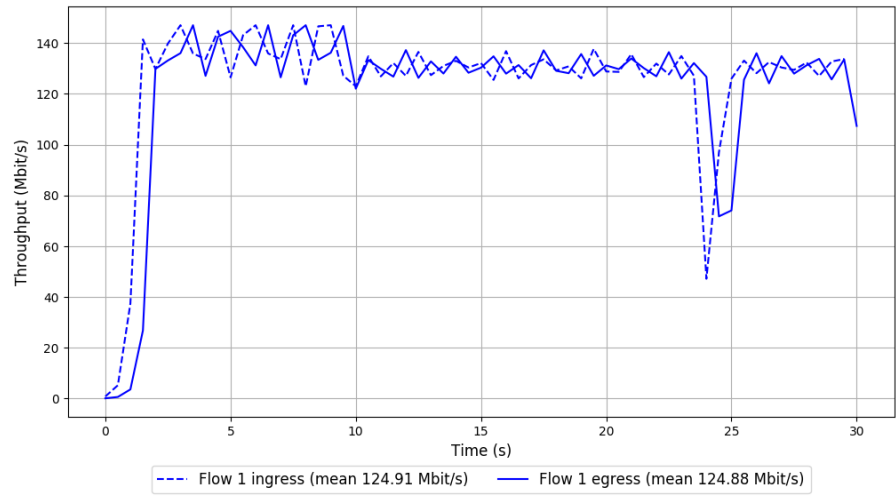


Run 7: Statistics of TCP BBR

Start at: 2018-08-01 14:49:49
End at: 2018-08-01 14:50:19
Local clock offset: 0.084 ms
Remote clock offset: -0.136 ms

Below is generated by plot.py at 2018-08-01 16:09:38
Datalink statistics
-- Total of 1 flow:
Average throughput: 124.88 Mbit/s
95th percentile per-packet one-way delay: 88.652 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 124.88 Mbit/s
95th percentile per-packet one-way delay: 88.652 ms
Loss rate: 0.64%

Run 7: Report of TCP BBR — Data Link

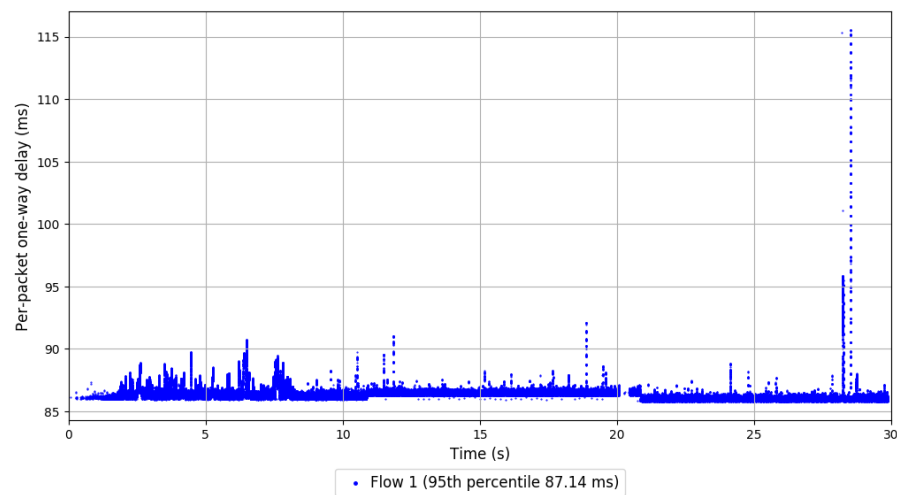
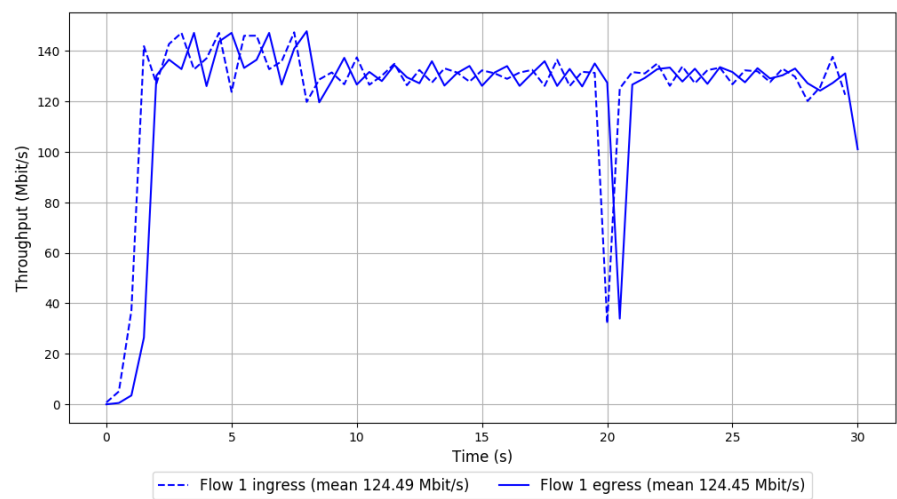


Run 8: Statistics of TCP BBR

Start at: 2018-08-01 15:11:58
End at: 2018-08-01 15:12:28
Local clock offset: 0.055 ms
Remote clock offset: -0.158 ms

Below is generated by plot.py at 2018-08-01 16:09:38
Datalink statistics
-- Total of 1 flow:
Average throughput: 124.45 Mbit/s
95th percentile per-packet one-way delay: 87.140 ms
Loss rate: 0.63%
-- Flow 1:
Average throughput: 124.45 Mbit/s
95th percentile per-packet one-way delay: 87.140 ms
Loss rate: 0.63%

Run 8: Report of TCP BBR — Data Link



Run 9: Statistics of TCP BBR

Start at: 2018-08-01 15:33:50

End at: 2018-08-01 15:34:20

Local clock offset: 0.002 ms

Remote clock offset: -0.055 ms

Below is generated by plot.py at 2018-08-01 16:11:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 123.38 Mbit/s

95th percentile per-packet one-way delay: 87.942 ms

Loss rate: 0.62%

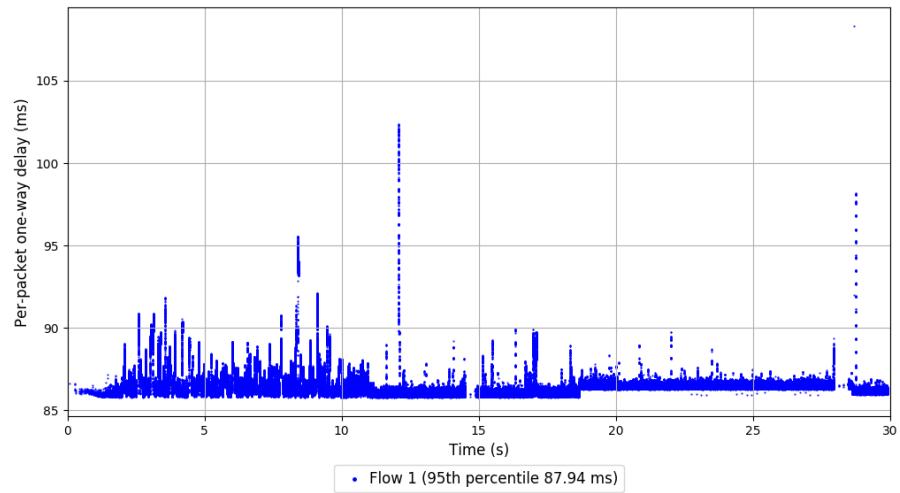
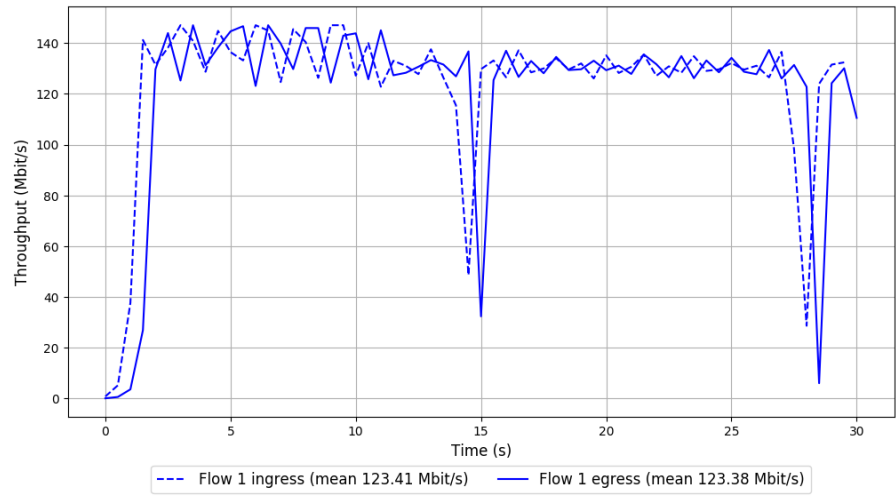
-- Flow 1:

Average throughput: 123.38 Mbit/s

95th percentile per-packet one-way delay: 87.942 ms

Loss rate: 0.62%

Run 9: Report of TCP BBR — Data Link

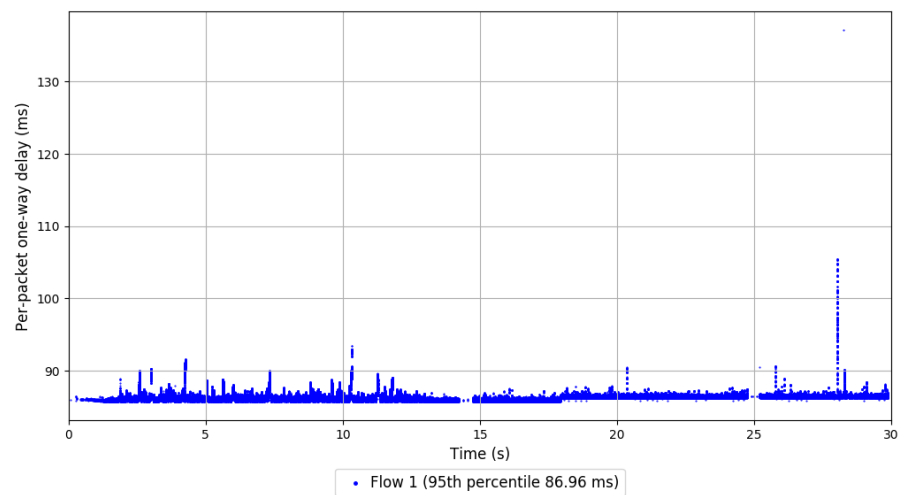
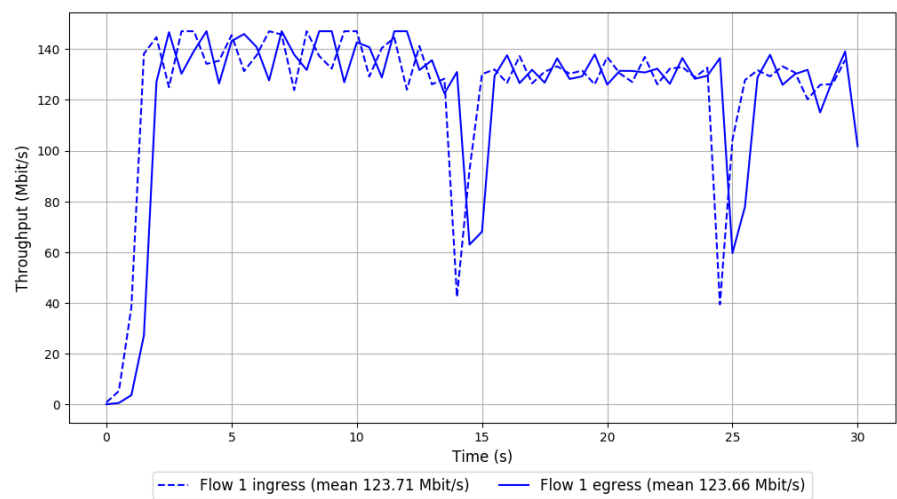


Run 10: Statistics of TCP BBR

Start at: 2018-08-01 15:56:11
End at: 2018-08-01 15:56:41
Local clock offset: -0.111 ms
Remote clock offset: -0.022 ms

Below is generated by plot.py at 2018-08-01 16:11:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 123.66 Mbit/s
95th percentile per-packet one-way delay: 86.964 ms
Loss rate: 0.66%
-- Flow 1:
Average throughput: 123.66 Mbit/s
95th percentile per-packet one-way delay: 86.964 ms
Loss rate: 0.66%

Run 10: Report of TCP BBR — Data Link

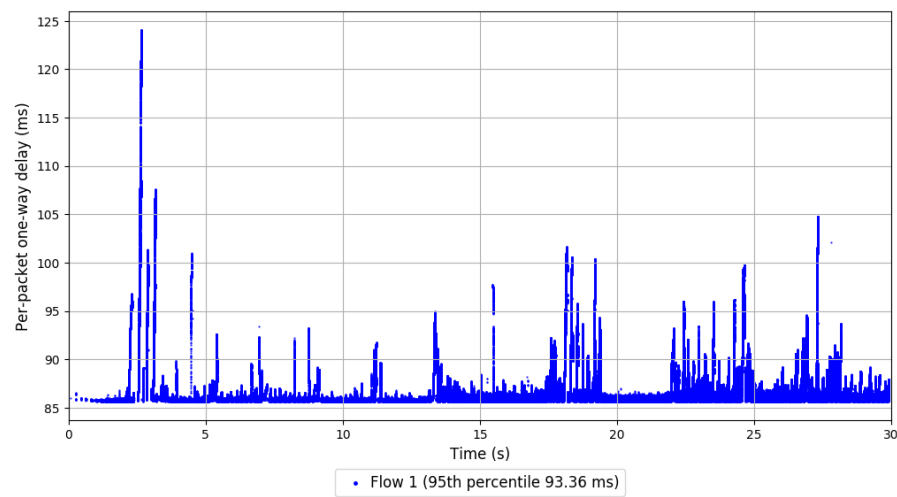
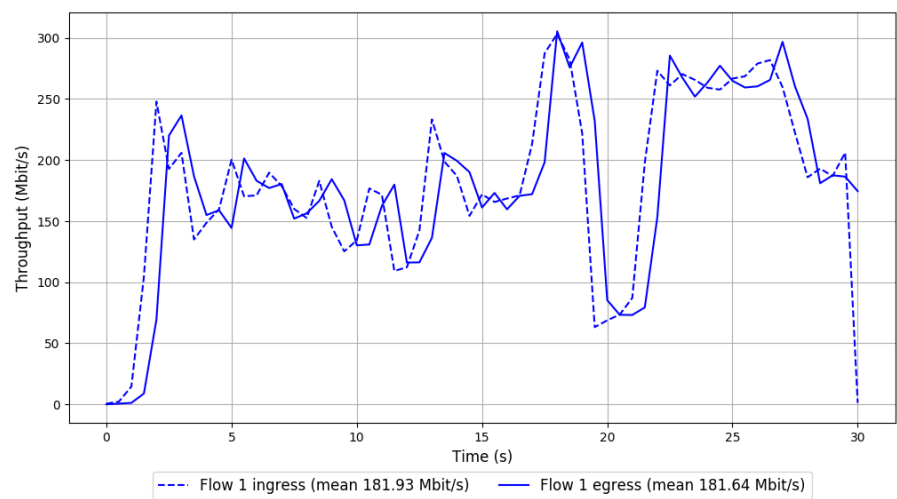


Run 1: Statistics of Copa

Start at: 2018-08-01 12:28:55
End at: 2018-08-01 12:29:25
Local clock offset: -0.188 ms
Remote clock offset: -0.115 ms

Below is generated by plot.py at 2018-08-01 16:15:16
Datalink statistics
-- Total of 1 flow:
Average throughput: 181.64 Mbit/s
95th percentile per-packet one-way delay: 93.356 ms
Loss rate: 0.73%
-- Flow 1:
Average throughput: 181.64 Mbit/s
95th percentile per-packet one-way delay: 93.356 ms
Loss rate: 0.73%

Run 1: Report of Copa — Data Link

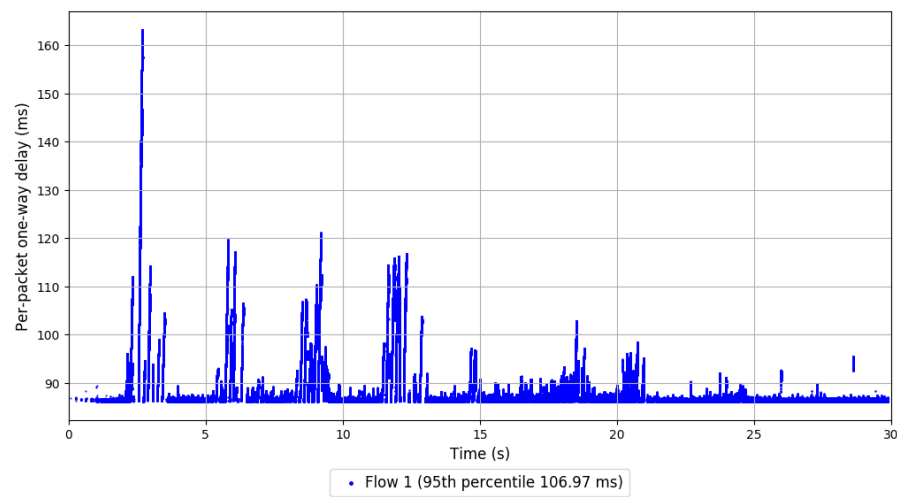
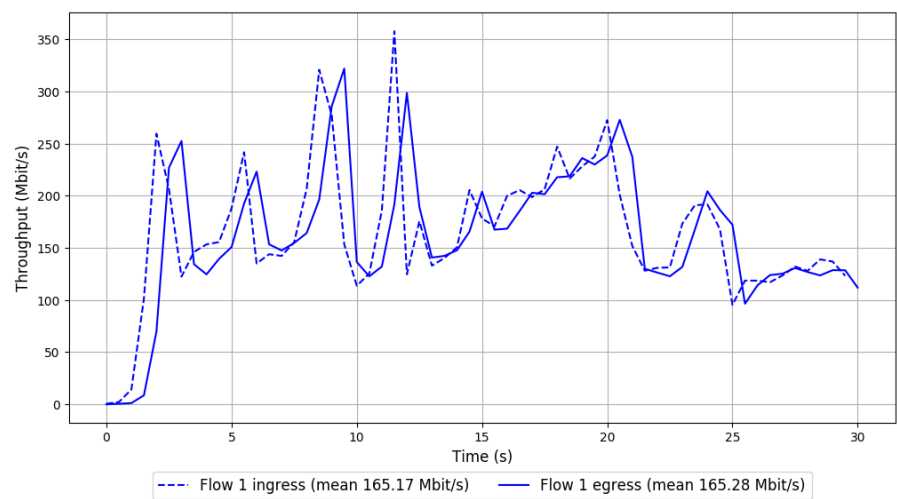


Run 2: Statistics of Copa

Start at: 2018-08-01 12:51:08
End at: 2018-08-01 12:51:38
Local clock offset: 0.281 ms
Remote clock offset: -0.088 ms

Below is generated by plot.py at 2018-08-01 16:15:16
Datalink statistics
-- Total of 1 flow:
Average throughput: 165.28 Mbit/s
95th percentile per-packet one-way delay: 106.967 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 165.28 Mbit/s
95th percentile per-packet one-way delay: 106.967 ms
Loss rate: 0.51%

Run 2: Report of Copa — Data Link



Run 3: Statistics of Copa

Start at: 2018-08-01 13:13:08

End at: 2018-08-01 13:13:38

Local clock offset: 0.037 ms

Remote clock offset: -0.06 ms

Below is generated by plot.py at 2018-08-01 16:15:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 178.43 Mbit/s

95th percentile per-packet one-way delay: 96.160 ms

Loss rate: 0.47%

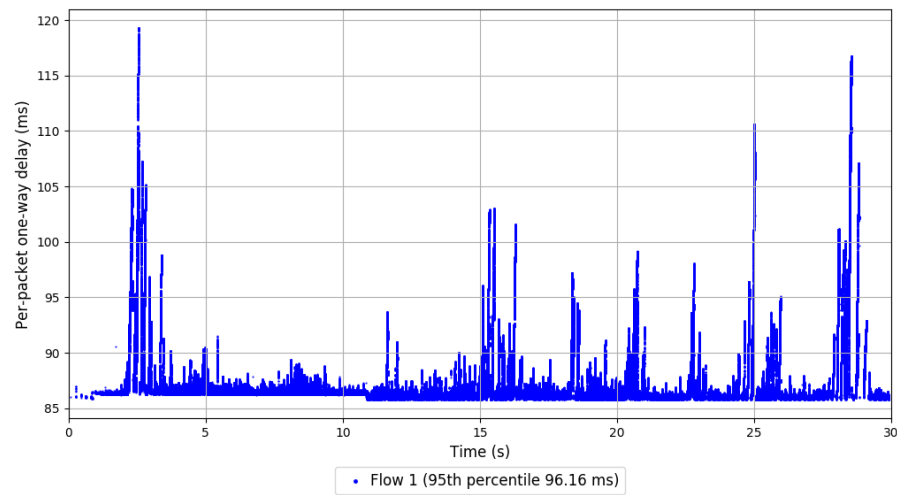
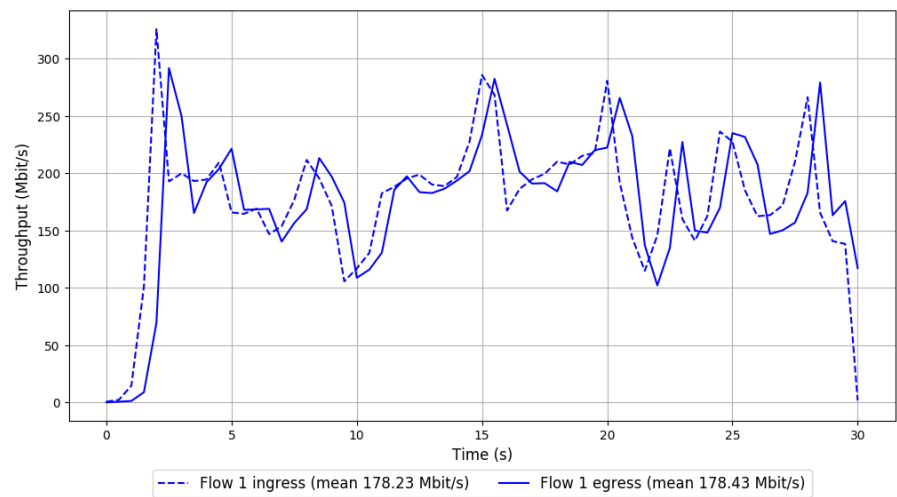
-- Flow 1:

Average throughput: 178.43 Mbit/s

95th percentile per-packet one-way delay: 96.160 ms

Loss rate: 0.47%

Run 3: Report of Copa — Data Link

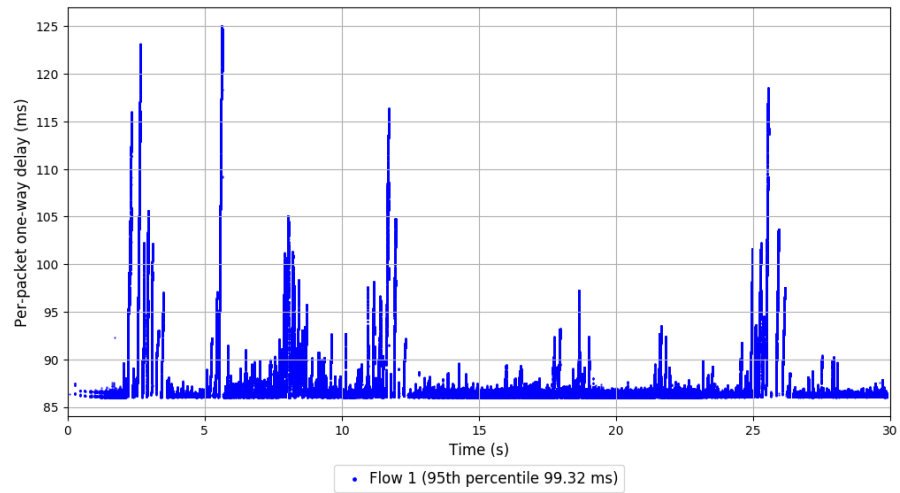
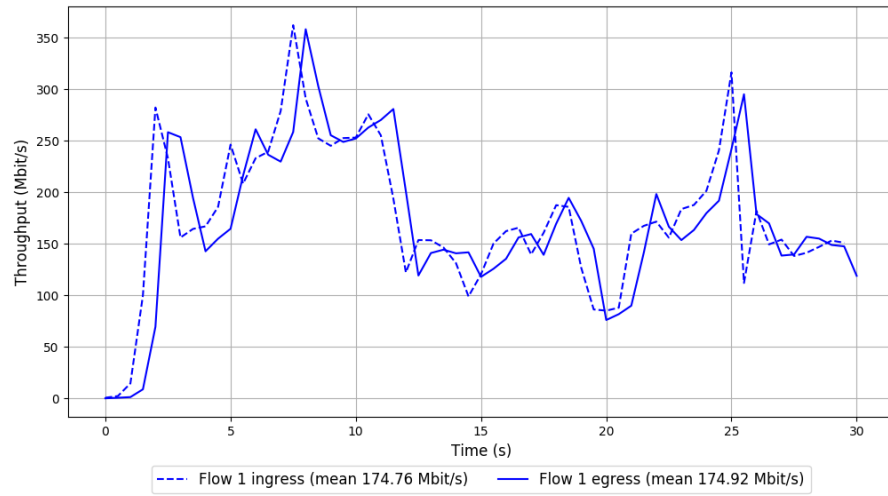


Run 4: Statistics of Copa

Start at: 2018-08-01 13:35:26
End at: 2018-08-01 13:35:56
Local clock offset: 0.201 ms
Remote clock offset: -0.097 ms

Below is generated by plot.py at 2018-08-01 16:15:16
Datalink statistics
-- Total of 1 flow:
Average throughput: 174.92 Mbit/s
95th percentile per-packet one-way delay: 99.316 ms
Loss rate: 0.48%
-- Flow 1:
Average throughput: 174.92 Mbit/s
95th percentile per-packet one-way delay: 99.316 ms
Loss rate: 0.48%

Run 4: Report of Copa — Data Link

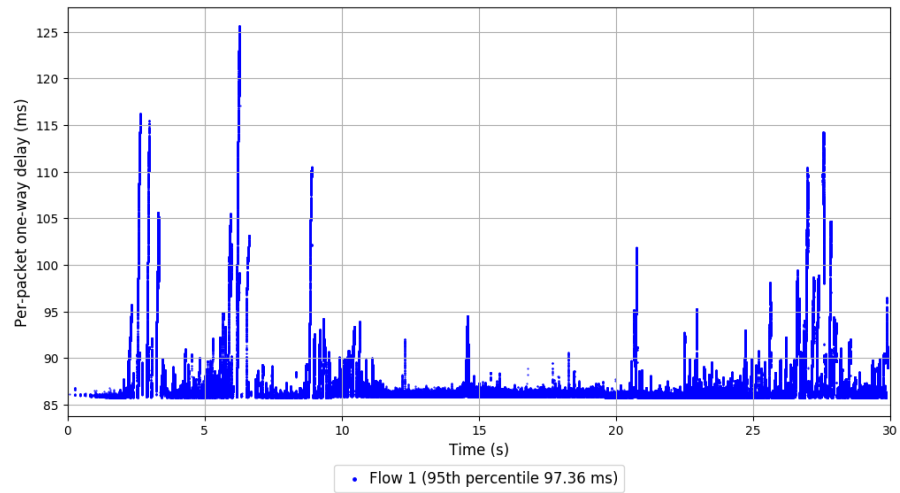
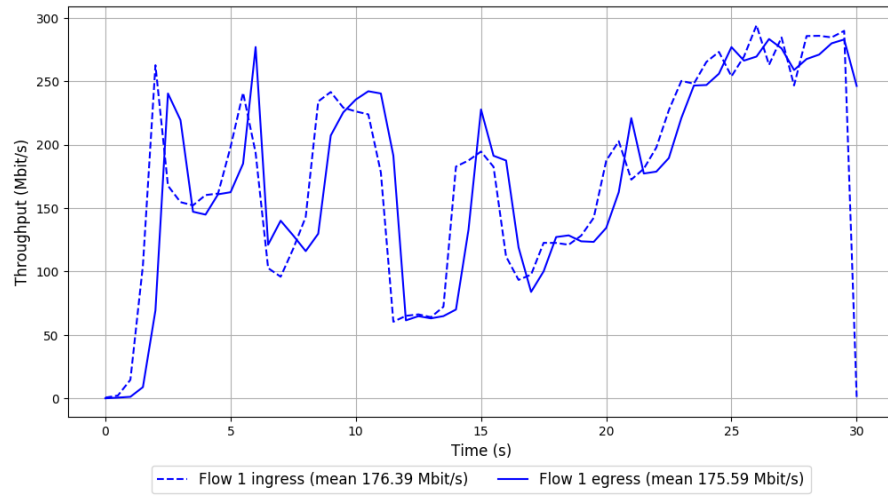


Run 5: Statistics of Copa

Start at: 2018-08-01 13:57:49
End at: 2018-08-01 13:58:19
Local clock offset: 0.061 ms
Remote clock offset: -0.084 ms

Below is generated by plot.py at 2018-08-01 16:15:16
Datalink statistics
-- Total of 1 flow:
Average throughput: 175.59 Mbit/s
95th percentile per-packet one-way delay: 97.362 ms
Loss rate: 1.02%
-- Flow 1:
Average throughput: 175.59 Mbit/s
95th percentile per-packet one-way delay: 97.362 ms
Loss rate: 1.02%

Run 5: Report of Copa — Data Link

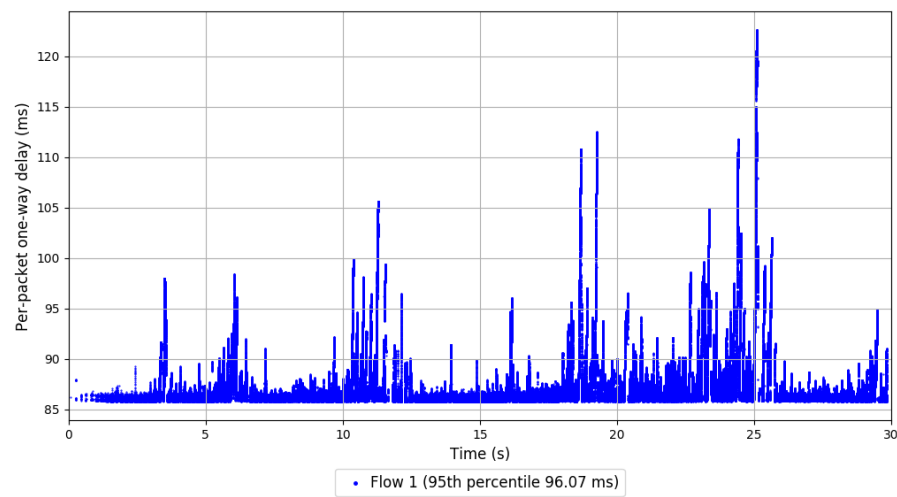
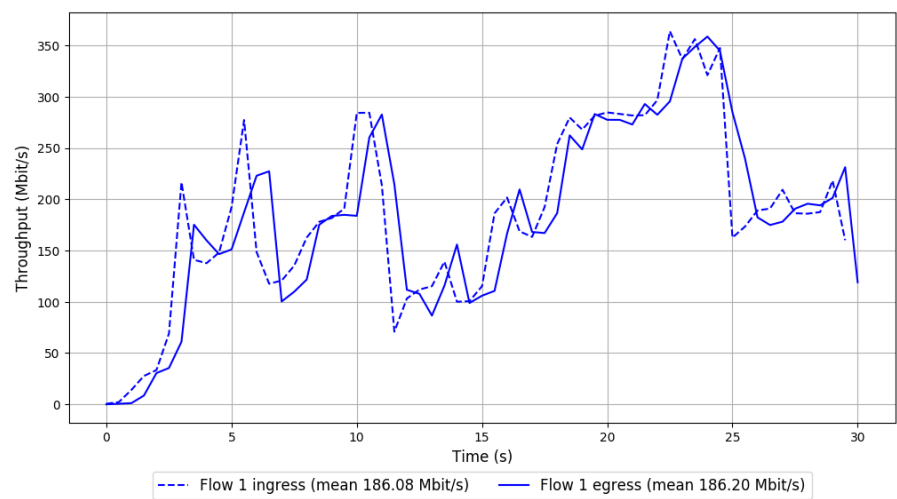


Run 6: Statistics of Copa

Start at: 2018-08-01 14:20:01
End at: 2018-08-01 14:20:31
Local clock offset: -0.025 ms
Remote clock offset: -0.108 ms

Below is generated by plot.py at 2018-08-01 16:15:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 186.20 Mbit/s
95th percentile per-packet one-way delay: 96.069 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 186.20 Mbit/s
95th percentile per-packet one-way delay: 96.069 ms
Loss rate: 0.51%

Run 6: Report of Copa — Data Link



Run 7: Statistics of Copa

Start at: 2018-08-01 14:42:19

End at: 2018-08-01 14:42:49

Local clock offset: 0.039 ms

Remote clock offset: -0.15 ms

Below is generated by plot.py at 2018-08-01 16:17:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 170.38 Mbit/s

95th percentile per-packet one-way delay: 92.829 ms

Loss rate: 0.89%

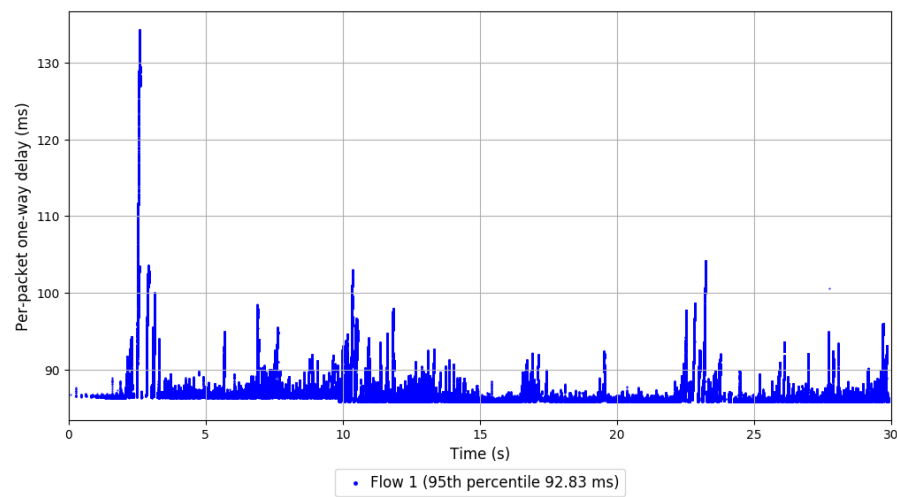
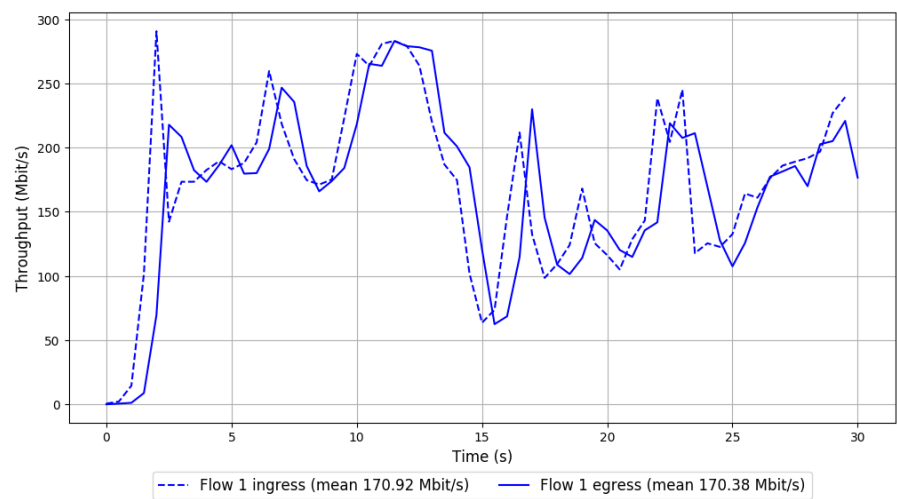
-- Flow 1:

Average throughput: 170.38 Mbit/s

95th percentile per-packet one-way delay: 92.829 ms

Loss rate: 0.89%

Run 7: Report of Copa — Data Link

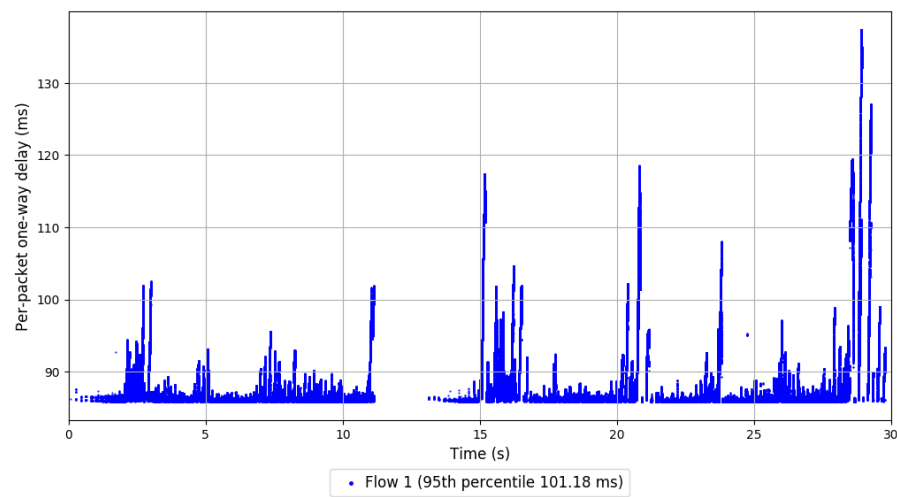
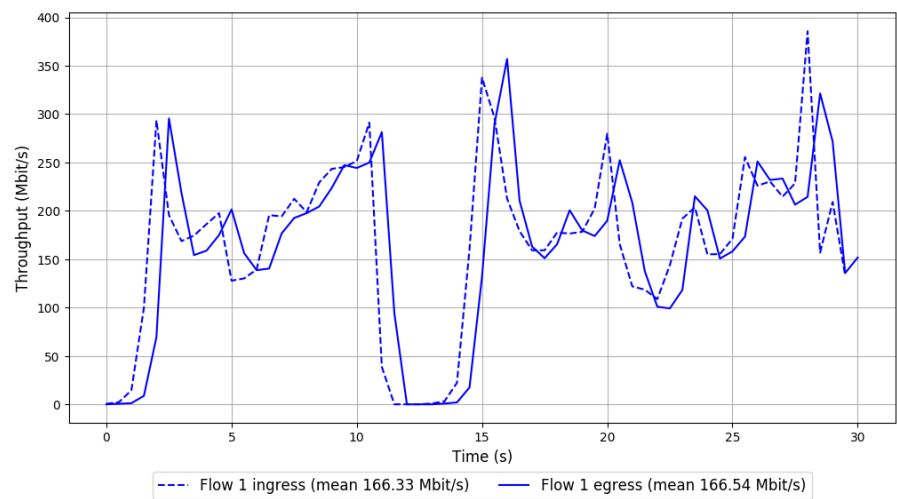


Run 8: Statistics of Copa

Start at: 2018-08-01 15:04:26
End at: 2018-08-01 15:04:56
Local clock offset: 0.077 ms
Remote clock offset: -0.207 ms

Below is generated by plot.py at 2018-08-01 16:17:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 166.54 Mbit/s
95th percentile per-packet one-way delay: 101.184 ms
Loss rate: 0.55%
-- Flow 1:
Average throughput: 166.54 Mbit/s
95th percentile per-packet one-way delay: 101.184 ms
Loss rate: 0.55%

Run 8: Report of Copa — Data Link

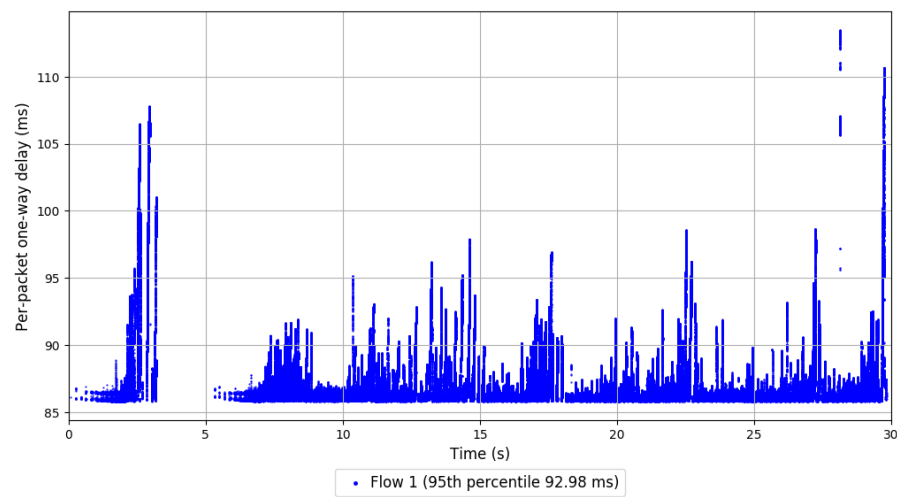
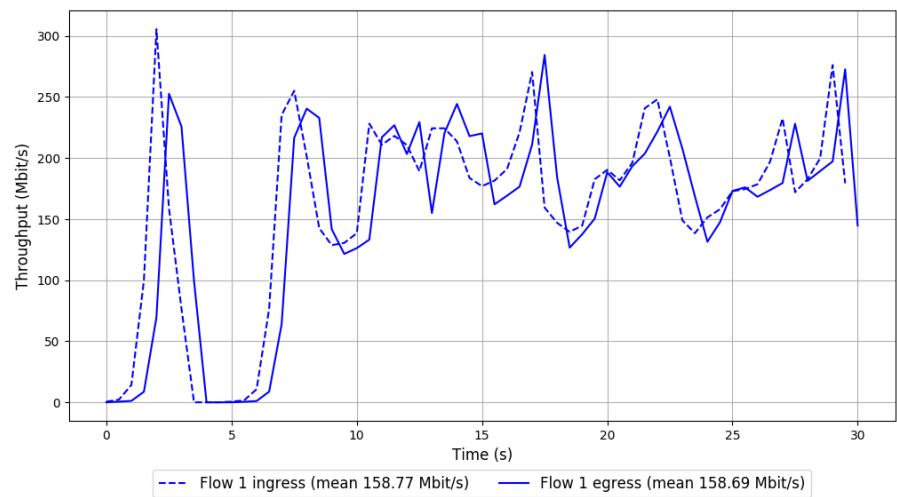


Run 9: Statistics of Copa

Start at: 2018-08-01 15:26:18
End at: 2018-08-01 15:26:48
Local clock offset: 0.074 ms
Remote clock offset: -0.162 ms

Below is generated by plot.py at 2018-08-01 16:20:09
Datalink statistics
-- Total of 1 flow:
Average throughput: 158.69 Mbit/s
95th percentile per-packet one-way delay: 92.976 ms
Loss rate: 0.74%
-- Flow 1:
Average throughput: 158.69 Mbit/s
95th percentile per-packet one-way delay: 92.976 ms
Loss rate: 0.74%

Run 9: Report of Copa — Data Link



Run 10: Statistics of Copa

Start at: 2018-08-01 15:48:37

End at: 2018-08-01 15:49:07

Local clock offset: -0.022 ms

Remote clock offset: 0.015 ms

Below is generated by plot.py at 2018-08-01 16:20:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 171.06 Mbit/s

95th percentile per-packet one-way delay: 96.064 ms

Loss rate: 0.50%

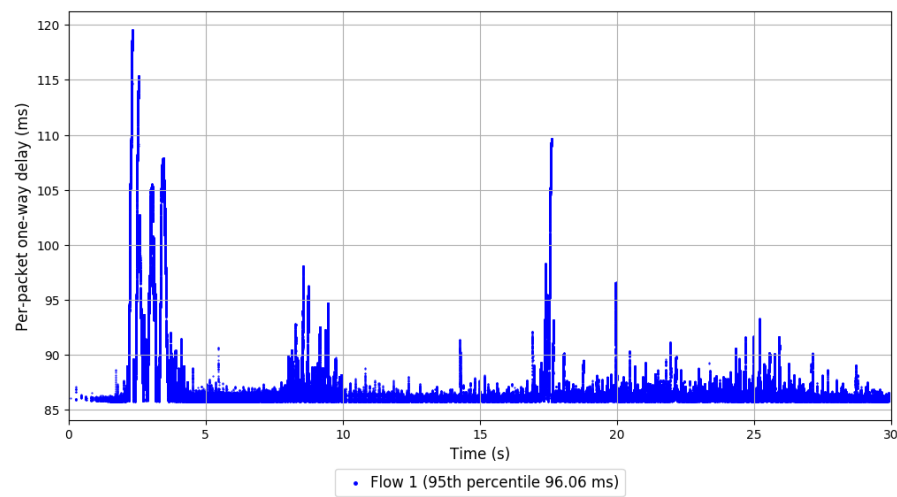
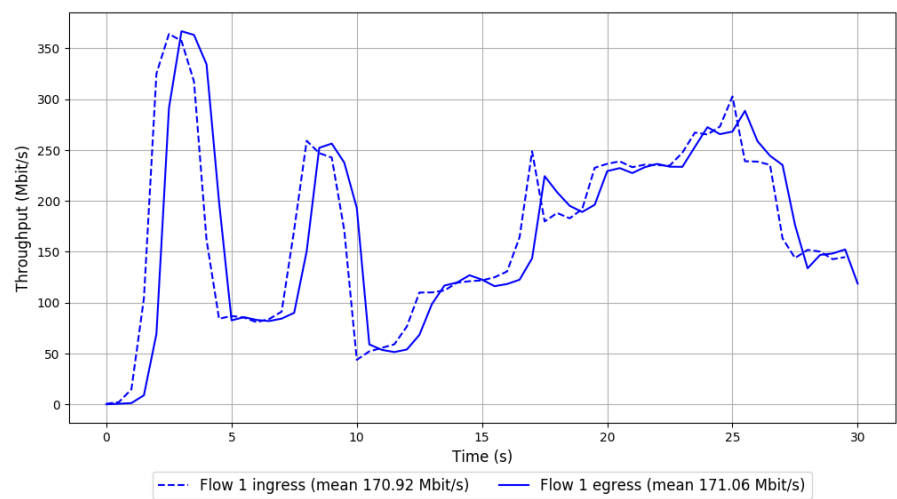
-- Flow 1:

Average throughput: 171.06 Mbit/s

95th percentile per-packet one-way delay: 96.064 ms

Loss rate: 0.50%

Run 10: Report of Copa — Data Link

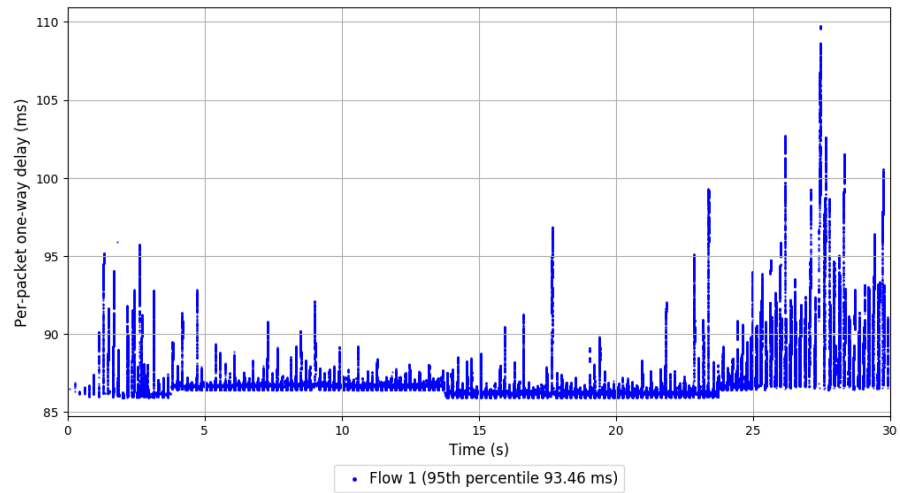
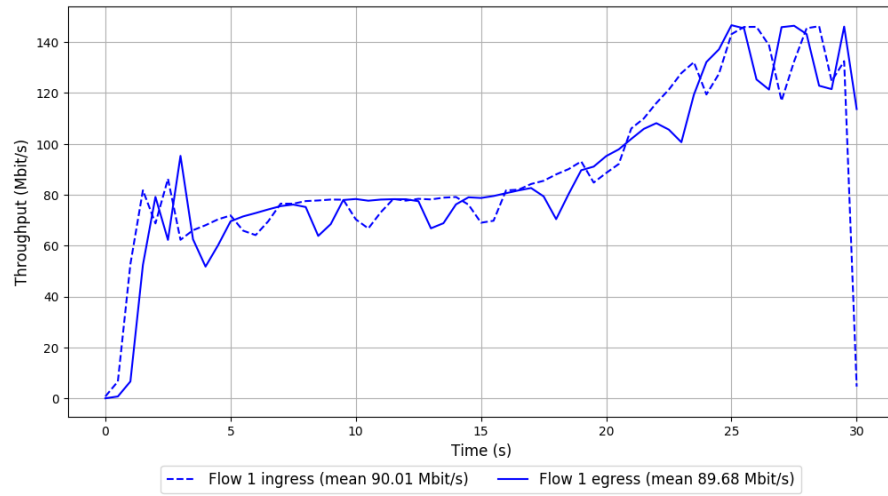


Run 1: Statistics of TCP Cubic

Start at: 2018-08-01 12:15:25
End at: 2018-08-01 12:15:55
Local clock offset: 0.103 ms
Remote clock offset: -0.074 ms

Below is generated by plot.py at 2018-08-01 16:20:42
Datalink statistics
-- Total of 1 flow:
Average throughput: 89.68 Mbit/s
95th percentile per-packet one-way delay: 93.463 ms
Loss rate: 0.94%
-- Flow 1:
Average throughput: 89.68 Mbit/s
95th percentile per-packet one-way delay: 93.463 ms
Loss rate: 0.94%

Run 1: Report of TCP Cubic — Data Link

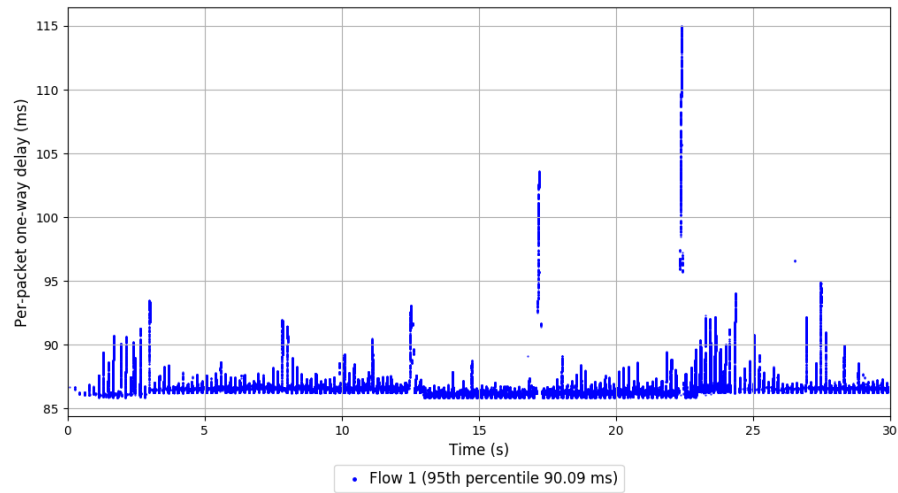
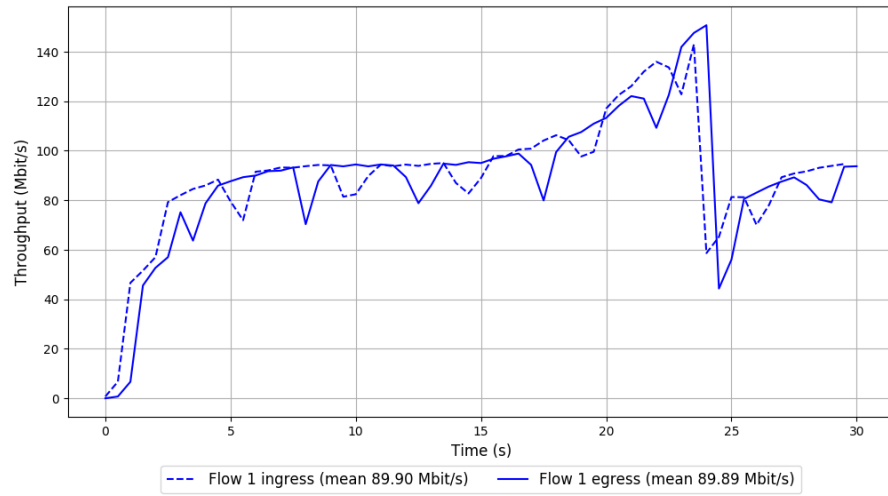


Run 2: Statistics of TCP Cubic

Start at: 2018-08-01 12:37:36
End at: 2018-08-01 12:38:06
Local clock offset: 0.005 ms
Remote clock offset: -0.106 ms

Below is generated by plot.py at 2018-08-01 16:20:42
Datalink statistics
-- Total of 1 flow:
Average throughput: 89.89 Mbit/s
95th percentile per-packet one-way delay: 90.088 ms
Loss rate: 0.59%
-- Flow 1:
Average throughput: 89.89 Mbit/s
95th percentile per-packet one-way delay: 90.088 ms
Loss rate: 0.59%

Run 2: Report of TCP Cubic — Data Link

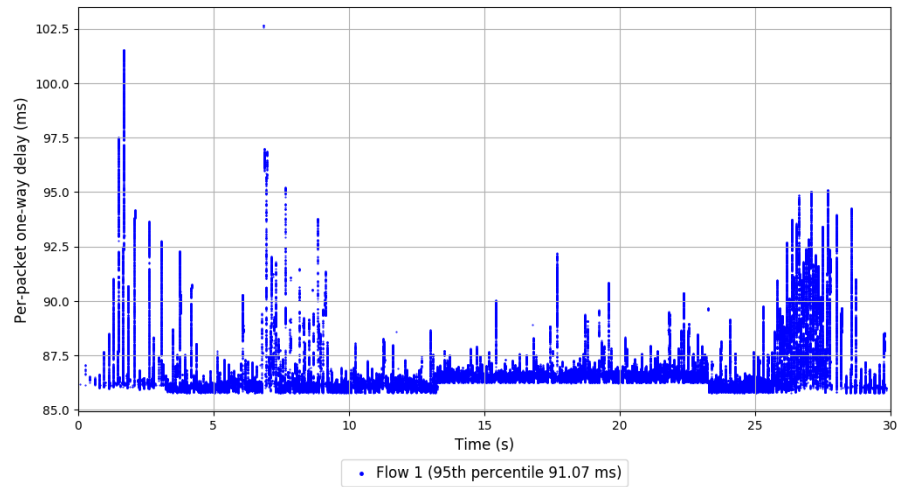
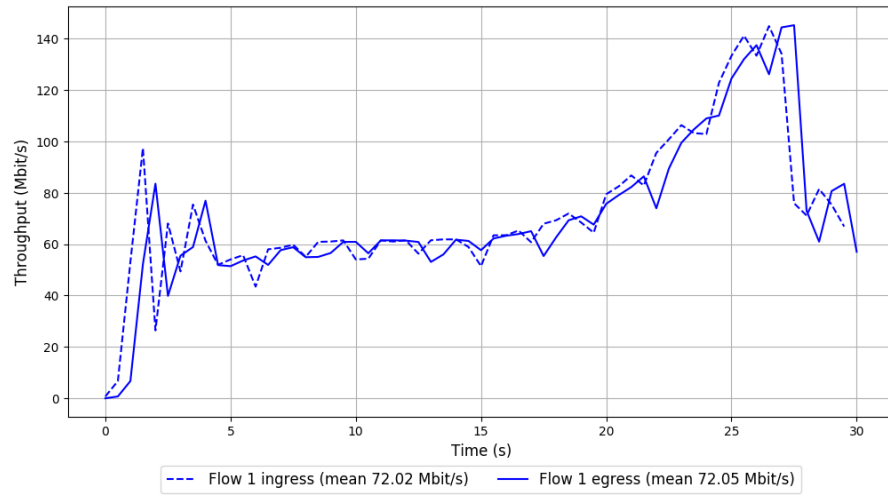


Run 3: Statistics of TCP Cubic

Start at: 2018-08-01 12:59:55
End at: 2018-08-01 13:00:25
Local clock offset: 0.071 ms
Remote clock offset: -0.035 ms

Below is generated by plot.py at 2018-08-01 16:20:42
Datalink statistics
-- Total of 1 flow:
Average throughput: 72.05 Mbit/s
95th percentile per-packet one-way delay: 91.074 ms
Loss rate: 0.67%
-- Flow 1:
Average throughput: 72.05 Mbit/s
95th percentile per-packet one-way delay: 91.074 ms
Loss rate: 0.67%

Run 3: Report of TCP Cubic — Data Link

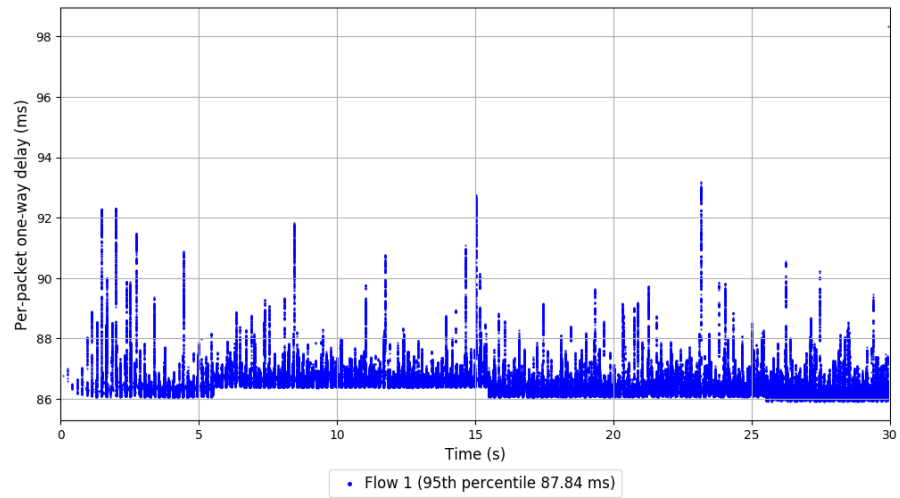
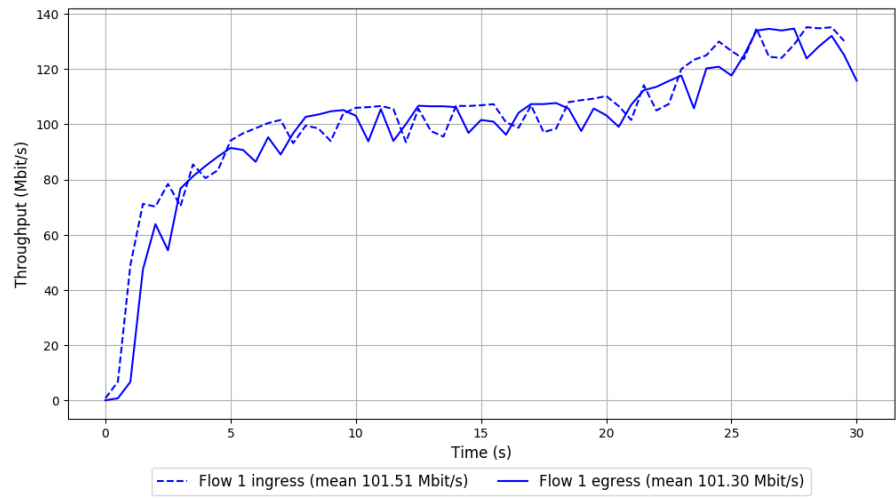


Run 4: Statistics of TCP Cubic

Start at: 2018-08-01 13:21:53
End at: 2018-08-01 13:22:23
Local clock offset: 0.105 ms
Remote clock offset: -0.106 ms

Below is generated by plot.py at 2018-08-01 16:20:42
Datalink statistics
-- Total of 1 flow:
Average throughput: 101.30 Mbit/s
95th percentile per-packet one-way delay: 87.840 ms
Loss rate: 0.74%
-- Flow 1:
Average throughput: 101.30 Mbit/s
95th percentile per-packet one-way delay: 87.840 ms
Loss rate: 0.74%

Run 4: Report of TCP Cubic — Data Link

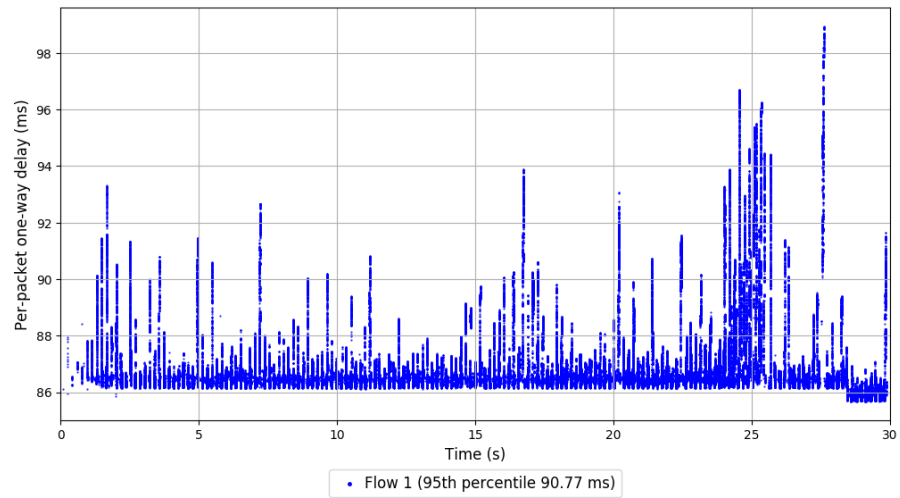
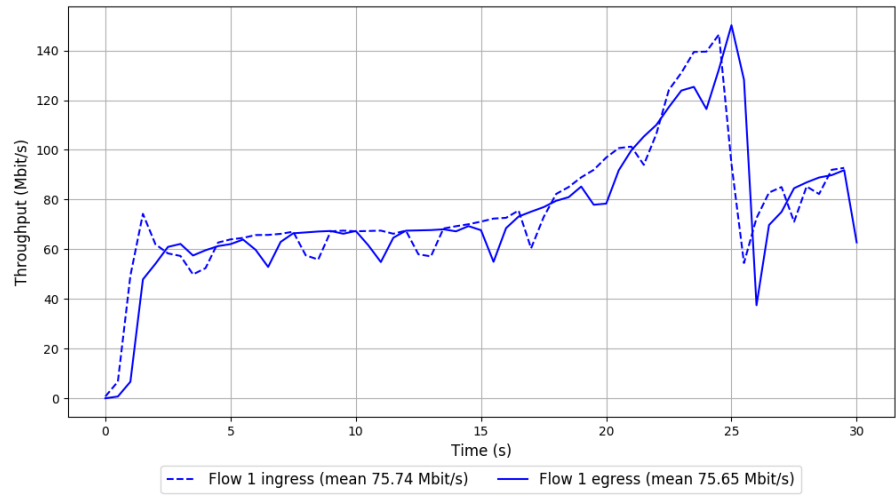


Run 5: Statistics of TCP Cubic

Start at: 2018-08-01 13:44:10
End at: 2018-08-01 13:44:40
Local clock offset: -0.135 ms
Remote clock offset: -0.097 ms

Below is generated by plot.py at 2018-08-01 16:20:42
Datalink statistics
-- Total of 1 flow:
Average throughput: 75.65 Mbit/s
95th percentile per-packet one-way delay: 90.770 ms
Loss rate: 0.69%
-- Flow 1:
Average throughput: 75.65 Mbit/s
95th percentile per-packet one-way delay: 90.770 ms
Loss rate: 0.69%

Run 5: Report of TCP Cubic — Data Link

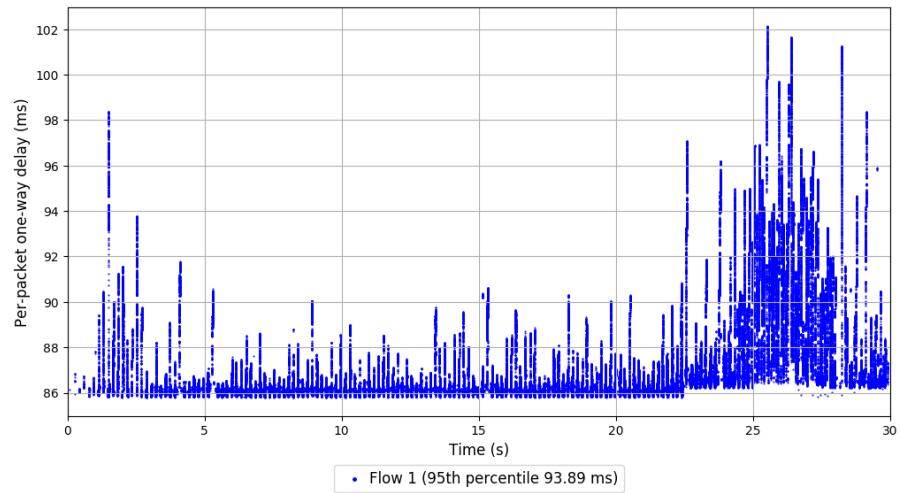
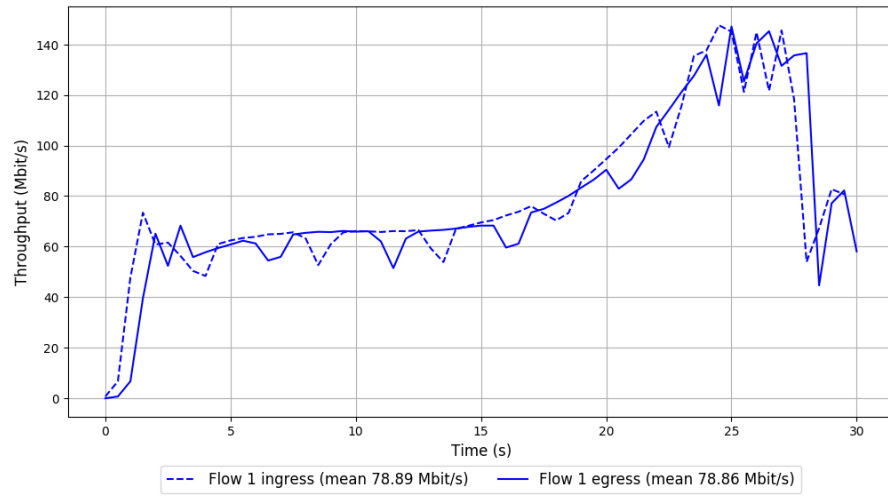


Run 6: Statistics of TCP Cubic

Start at: 2018-08-01 14:06:36
End at: 2018-08-01 14:07:06
Local clock offset: 0.035 ms
Remote clock offset: -0.085 ms

Below is generated by plot.py at 2018-08-01 16:20:43
Datalink statistics
-- Total of 1 flow:
Average throughput: 78.86 Mbit/s
95th percentile per-packet one-way delay: 93.890 ms
Loss rate: 0.60%
-- Flow 1:
Average throughput: 78.86 Mbit/s
95th percentile per-packet one-way delay: 93.890 ms
Loss rate: 0.60%

Run 6: Report of TCP Cubic — Data Link

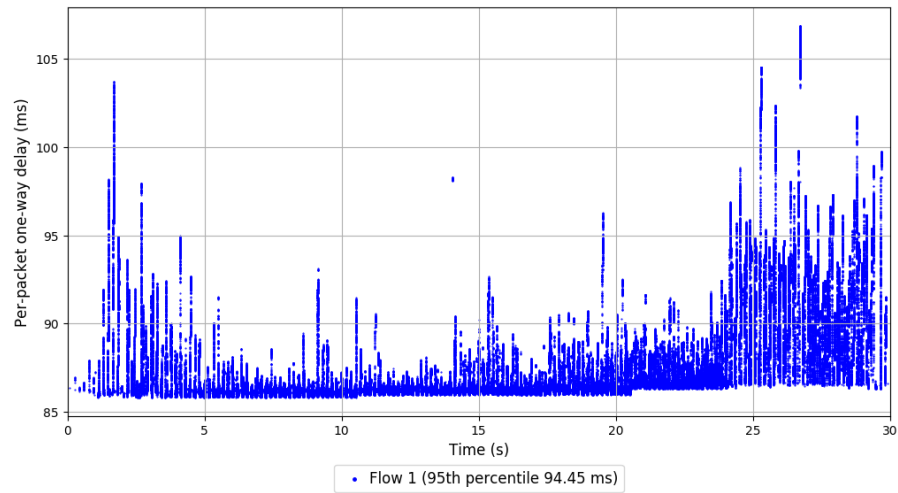
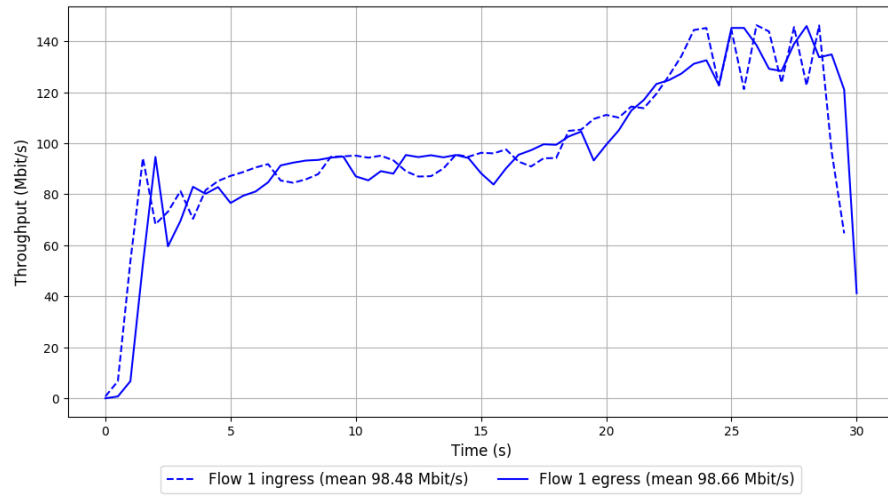


Run 7: Statistics of TCP Cubic

Start at: 2018-08-01 14:28:48
End at: 2018-08-01 14:29:18
Local clock offset: 0.057 ms
Remote clock offset: -0.123 ms

Below is generated by plot.py at 2018-08-01 16:20:43
Datalink statistics
-- Total of 1 flow:
Average throughput: 98.66 Mbit/s
95th percentile per-packet one-way delay: 94.450 ms
Loss rate: 0.40%
-- Flow 1:
Average throughput: 98.66 Mbit/s
95th percentile per-packet one-way delay: 94.450 ms
Loss rate: 0.40%

Run 7: Report of TCP Cubic — Data Link

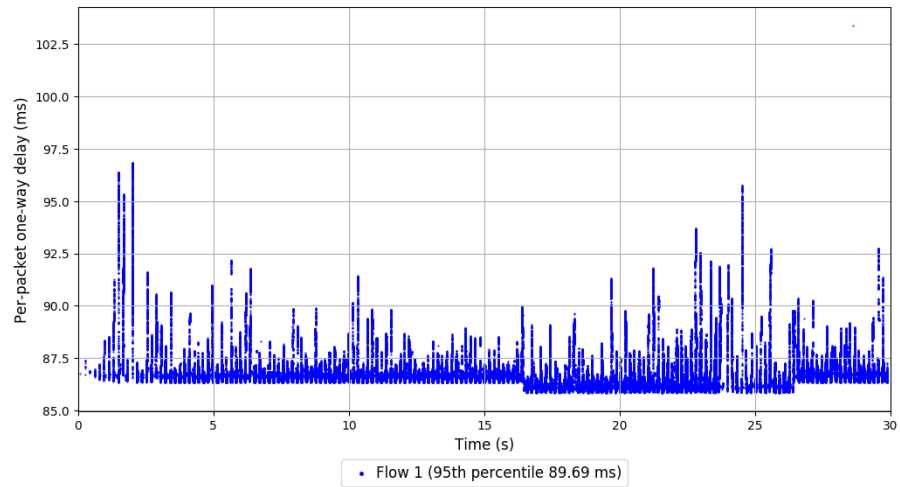
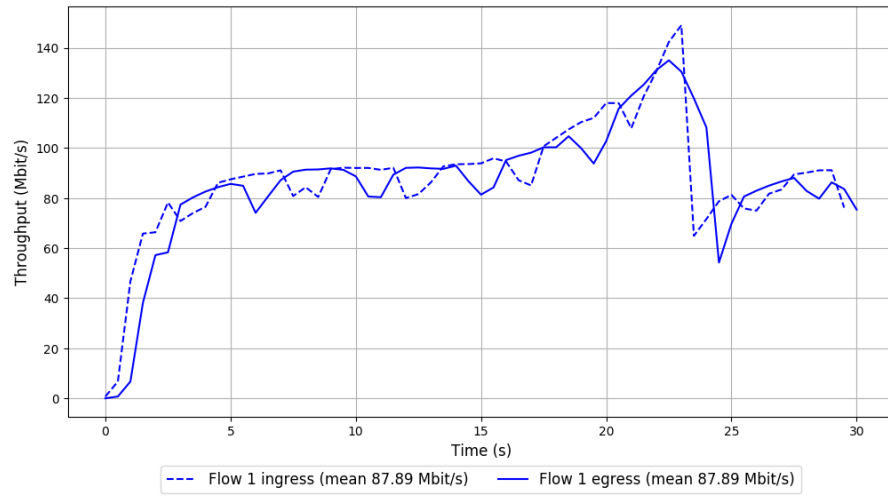


Run 8: Statistics of TCP Cubic

Start at: 2018-08-01 14:51:02
End at: 2018-08-01 14:51:32
Local clock offset: 0.031 ms
Remote clock offset: -0.146 ms

Below is generated by plot.py at 2018-08-01 16:20:43
Datalink statistics
-- Total of 1 flow:
Average throughput: 87.89 Mbit/s
95th percentile per-packet one-way delay: 89.690 ms
Loss rate: 0.58%
-- Flow 1:
Average throughput: 87.89 Mbit/s
95th percentile per-packet one-way delay: 89.690 ms
Loss rate: 0.58%

Run 8: Report of TCP Cubic — Data Link

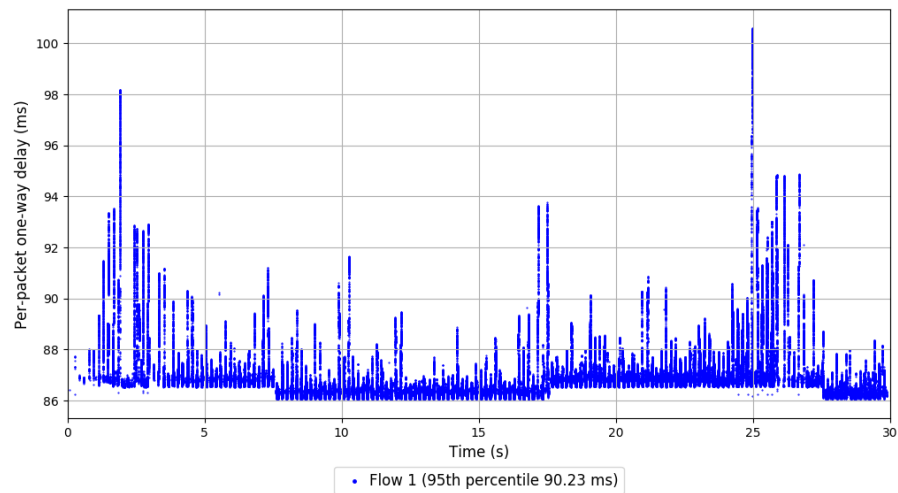
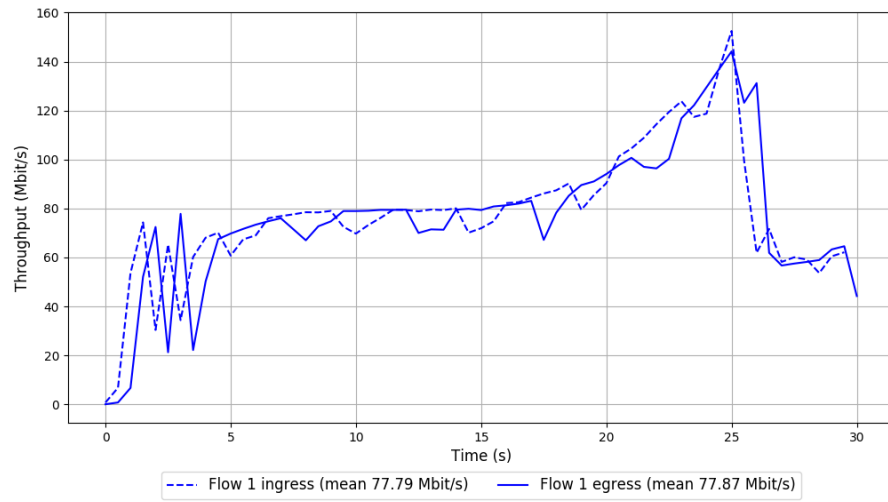


Run 9: Statistics of TCP Cubic

Start at: 2018-08-01 15:13:11
End at: 2018-08-01 15:13:41
Local clock offset: 0.298 ms
Remote clock offset: -0.182 ms

Below is generated by plot.py at 2018-08-01 16:20:43
Datalink statistics
-- Total of 1 flow:
Average throughput: 77.87 Mbit/s
95th percentile per-packet one-way delay: 90.229 ms
Loss rate: 0.47%
-- Flow 1:
Average throughput: 77.87 Mbit/s
95th percentile per-packet one-way delay: 90.229 ms
Loss rate: 0.47%

Run 9: Report of TCP Cubic — Data Link



Run 10: Statistics of TCP Cubic

Start at: 2018-08-01 15:35:04

End at: 2018-08-01 15:35:34

Local clock offset: 0.179 ms

Remote clock offset: -0.044 ms

Below is generated by plot.py at 2018-08-01 16:20:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 82.62 Mbit/s

95th percentile per-packet one-way delay: 91.507 ms

Loss rate: 0.60%

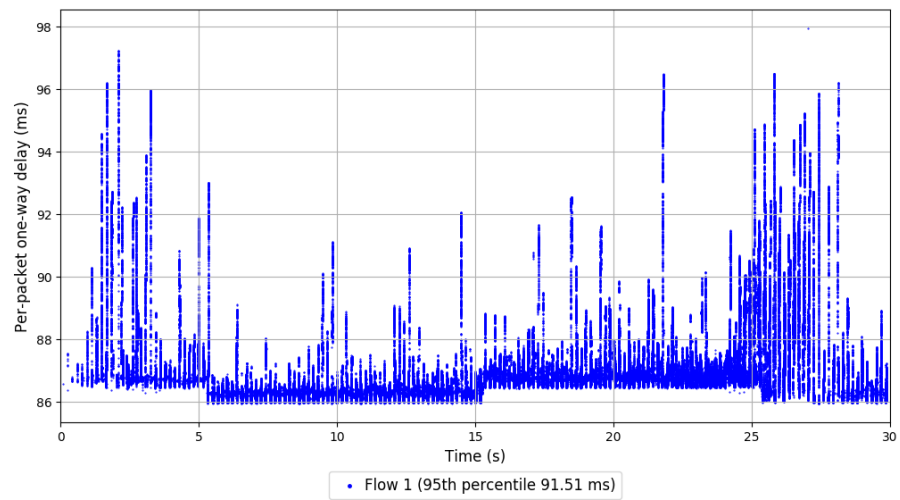
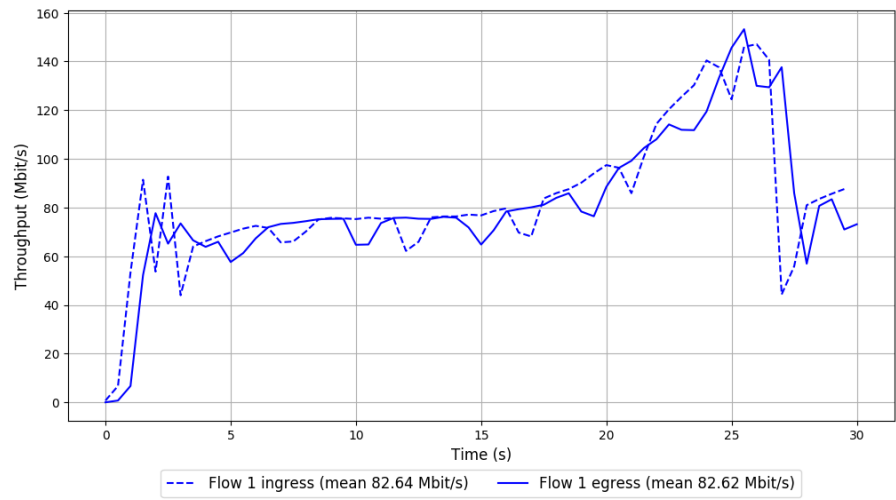
-- Flow 1:

Average throughput: 82.62 Mbit/s

95th percentile per-packet one-way delay: 91.507 ms

Loss rate: 0.60%

Run 10: Report of TCP Cubic — Data Link

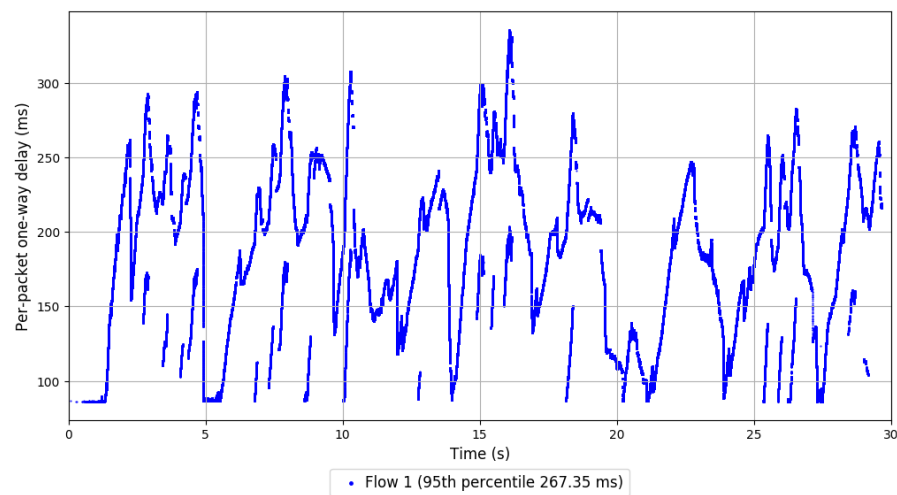
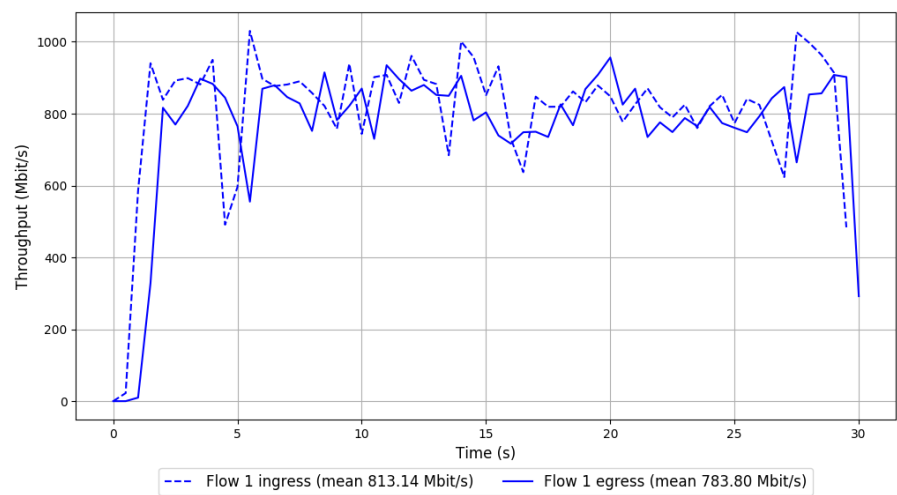


Run 1: Statistics of FillP

Start at: 2018-08-01 12:24:50
End at: 2018-08-01 12:25:20
Local clock offset: 0.111 ms
Remote clock offset: -0.157 ms

Below is generated by plot.py at 2018-08-01 16:35:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 783.80 Mbit/s
95th percentile per-packet one-way delay: 267.353 ms
Loss rate: 4.17%
-- Flow 1:
Average throughput: 783.80 Mbit/s
95th percentile per-packet one-way delay: 267.353 ms
Loss rate: 4.17%

Run 1: Report of FillP — Data Link

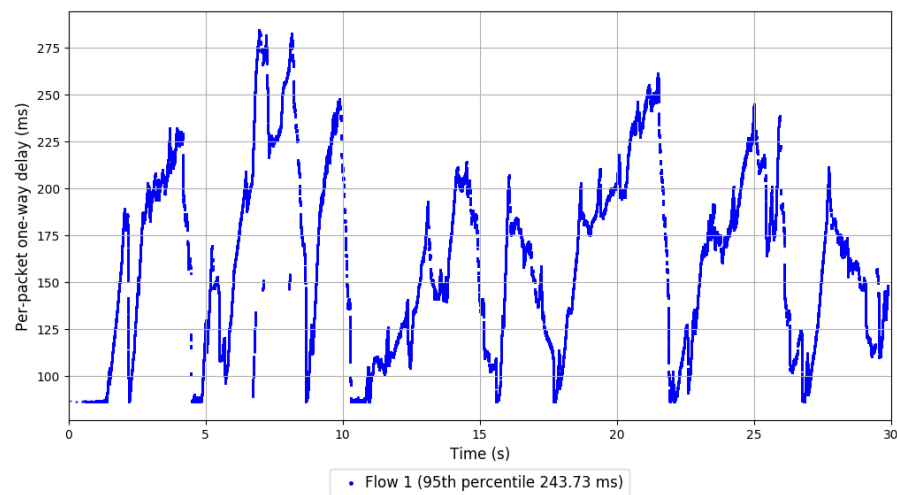
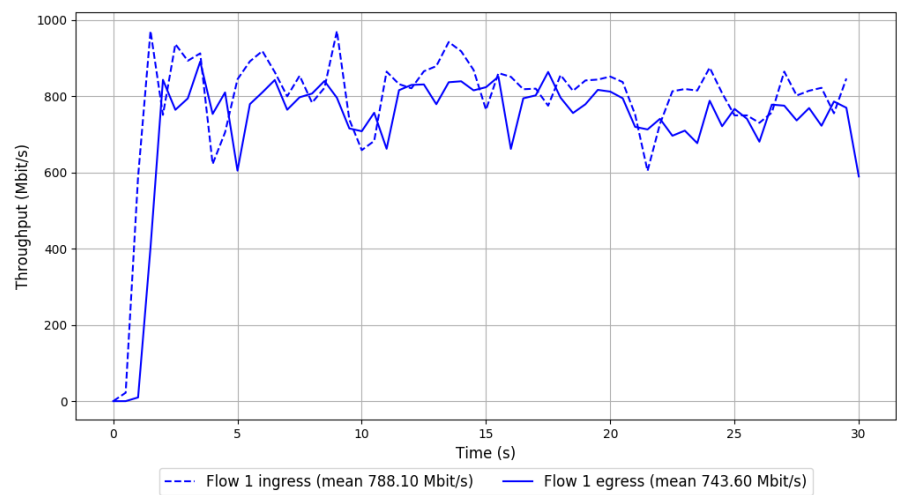


Run 2: Statistics of FillP

Start at: 2018-08-01 12:46:59
End at: 2018-08-01 12:47:29
Local clock offset: 0.154 ms
Remote clock offset: -0.089 ms

Below is generated by plot.py at 2018-08-01 16:35:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 743.60 Mbit/s
95th percentile per-packet one-way delay: 243.729 ms
Loss rate: 6.19%
-- Flow 1:
Average throughput: 743.60 Mbit/s
95th percentile per-packet one-way delay: 243.729 ms
Loss rate: 6.19%

Run 2: Report of FillP — Data Link

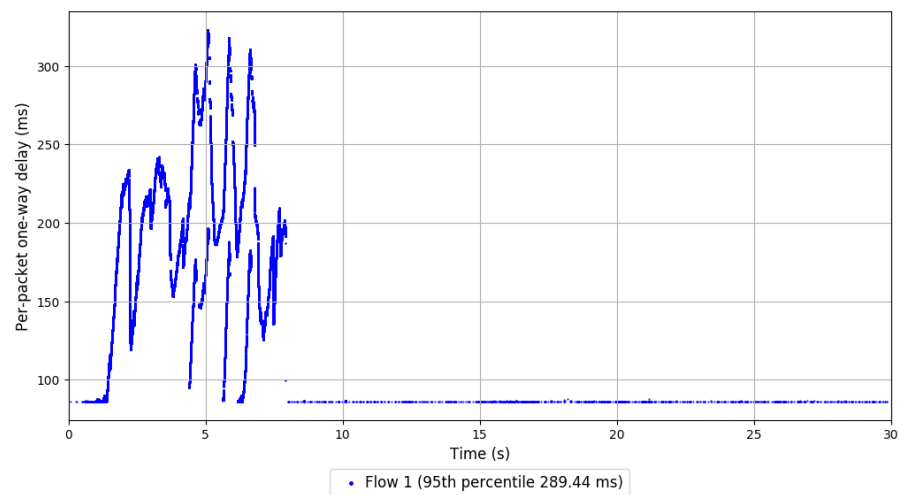
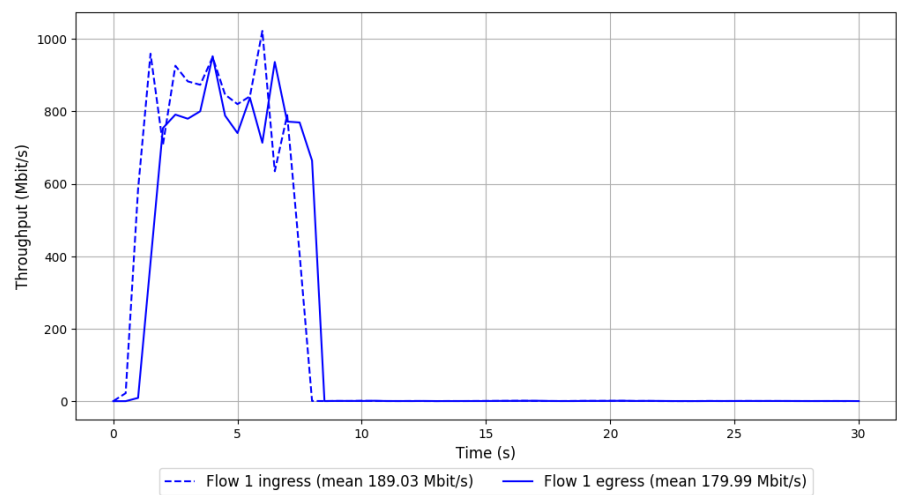


Run 3: Statistics of FillP

Start at: 2018-08-01 13:09:17
End at: 2018-08-01 13:09:47
Local clock offset: 0.119 ms
Remote clock offset: -0.053 ms

Below is generated by plot.py at 2018-08-01 16:35:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 179.99 Mbit/s
95th percentile per-packet one-way delay: 289.437 ms
Loss rate: 5.10%
-- Flow 1:
Average throughput: 179.99 Mbit/s
95th percentile per-packet one-way delay: 289.437 ms
Loss rate: 5.10%

Run 3: Report of FillP — Data Link

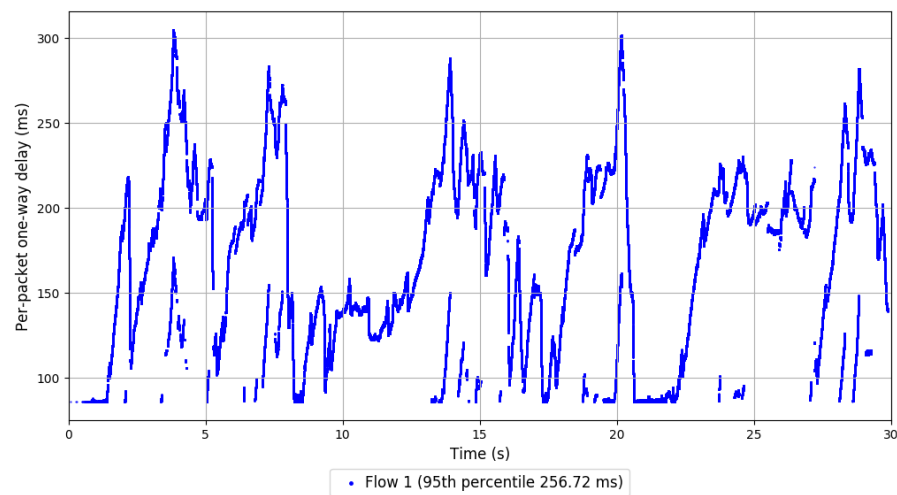
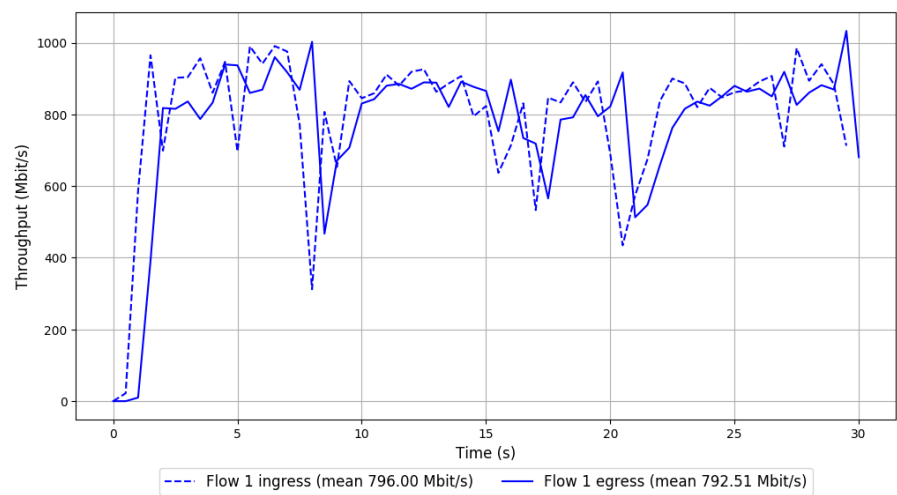


Run 4: Statistics of FillP

Start at: 2018-08-01 13:31:13
End at: 2018-08-01 13:31:44
Local clock offset: 0.014 ms
Remote clock offset: -0.095 ms

Below is generated by plot.py at 2018-08-01 16:35:57
Datalink statistics
-- Total of 1 flow:
Average throughput: 792.51 Mbit/s
95th percentile per-packet one-way delay: 256.723 ms
Loss rate: 1.01%
-- Flow 1:
Average throughput: 792.51 Mbit/s
95th percentile per-packet one-way delay: 256.723 ms
Loss rate: 1.01%

Run 4: Report of FillP — Data Link



Run 5: Statistics of FillP

Start at: 2018-08-01 13:53:34

End at: 2018-08-01 13:54:04

Local clock offset: 0.189 ms

Remote clock offset: -0.1 ms

Below is generated by plot.py at 2018-08-01 16:35:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 778.32 Mbit/s

95th percentile per-packet one-way delay: 164.121 ms

Loss rate: 5.37%

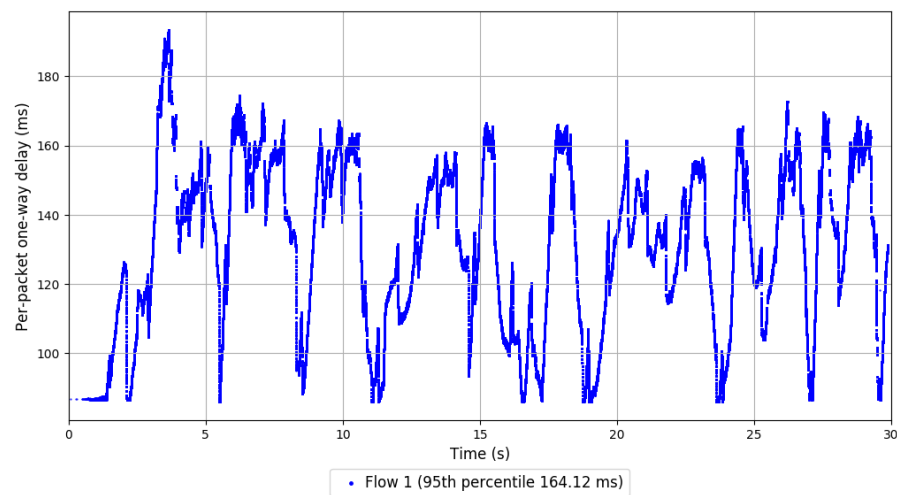
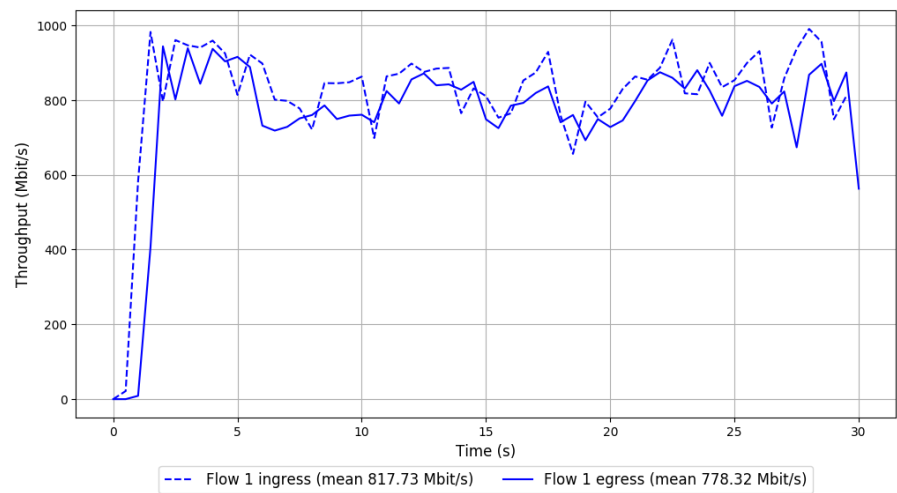
-- Flow 1:

Average throughput: 778.32 Mbit/s

95th percentile per-packet one-way delay: 164.121 ms

Loss rate: 5.37%

Run 5: Report of FillP — Data Link

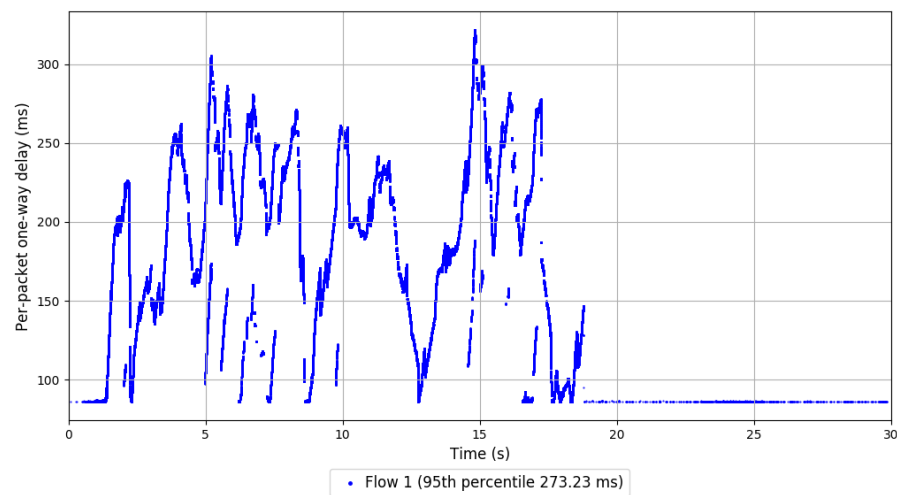
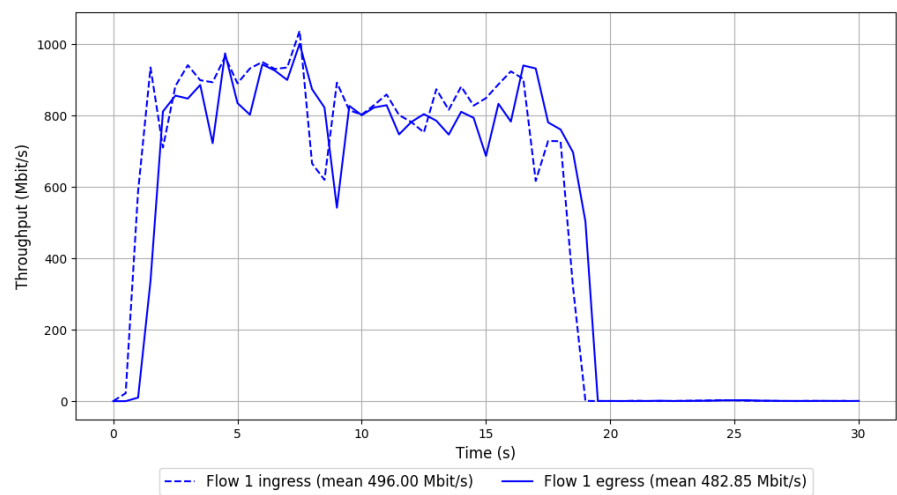


Run 6: Statistics of FillP

Start at: 2018-08-01 14:15:59
End at: 2018-08-01 14:16:29
Local clock offset: -0.028 ms
Remote clock offset: -0.096 ms

Below is generated by plot.py at 2018-08-01 16:35:57
Datalink statistics
-- Total of 1 flow:
Average throughput: 482.85 Mbit/s
95th percentile per-packet one-way delay: 273.225 ms
Loss rate: 3.12%
-- Flow 1:
Average throughput: 482.85 Mbit/s
95th percentile per-packet one-way delay: 273.225 ms
Loss rate: 3.12%

Run 6: Report of FillP — Data Link

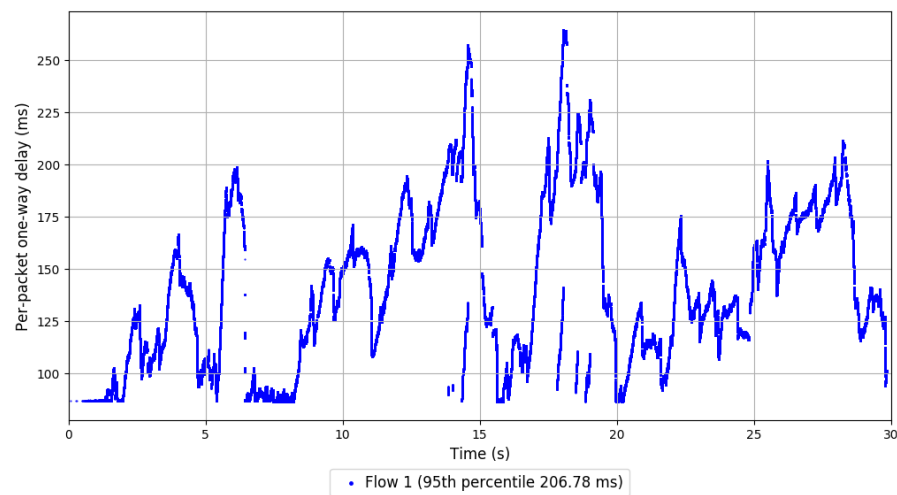
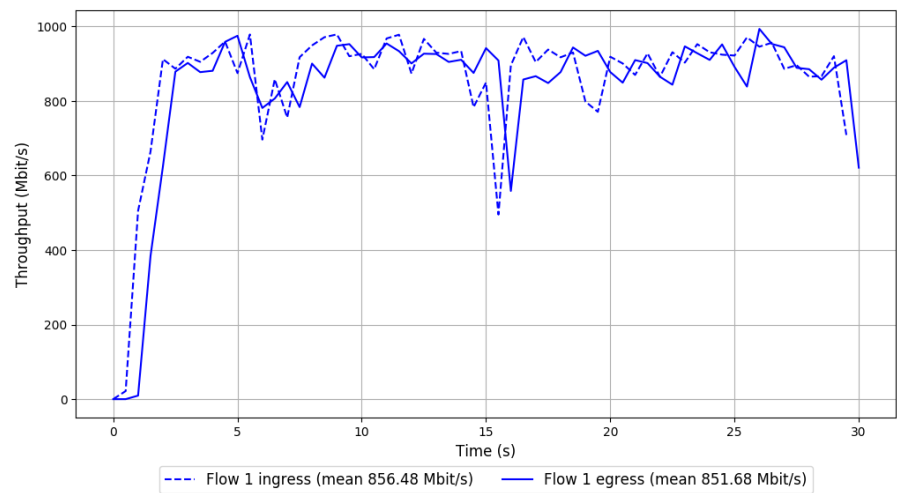


Run 7: Statistics of FillP

Start at: 2018-08-01 14:38:05
End at: 2018-08-01 14:38:35
Local clock offset: 0.286 ms
Remote clock offset: -0.158 ms

Below is generated by plot.py at 2018-08-01 16:38:33
Datalink statistics
-- Total of 1 flow:
Average throughput: 851.68 Mbit/s
95th percentile per-packet one-way delay: 206.785 ms
Loss rate: 1.14%
-- Flow 1:
Average throughput: 851.68 Mbit/s
95th percentile per-packet one-way delay: 206.785 ms
Loss rate: 1.14%

Run 7: Report of FillP — Data Link

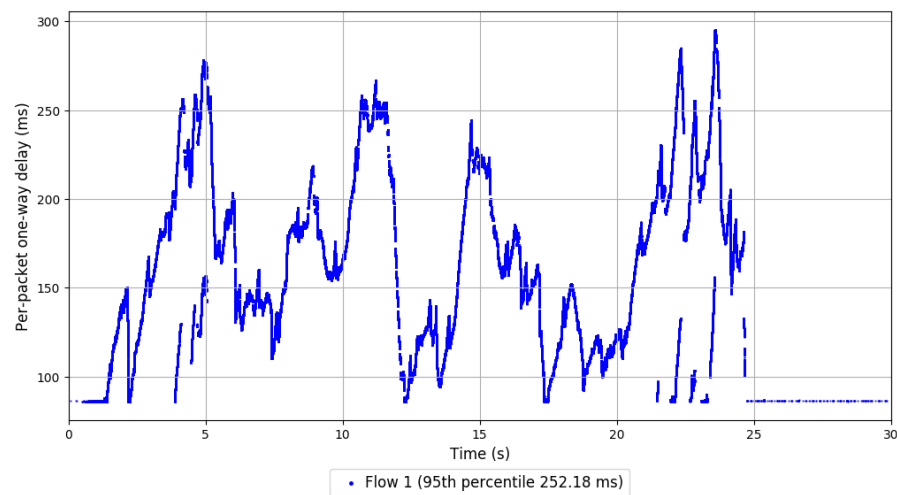
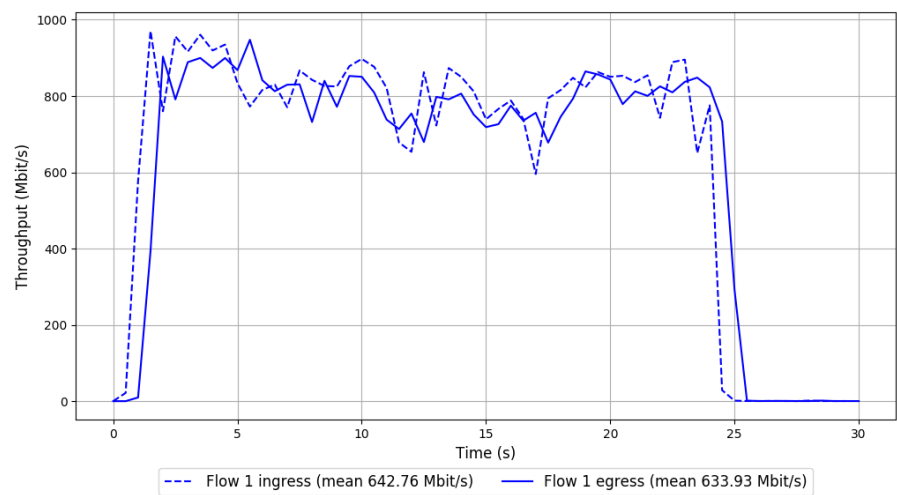


Run 8: Statistics of FillP

Start at: 2018-08-01 15:00:18
End at: 2018-08-01 15:00:48
Local clock offset: 0.093 ms
Remote clock offset: -0.127 ms

Below is generated by plot.py at 2018-08-01 16:38:33
Datalink statistics
-- Total of 1 flow:
Average throughput: 633.93 Mbit/s
95th percentile per-packet one-way delay: 252.178 ms
Loss rate: 1.94%
-- Flow 1:
Average throughput: 633.93 Mbit/s
95th percentile per-packet one-way delay: 252.178 ms
Loss rate: 1.94%

Run 8: Report of FillP — Data Link

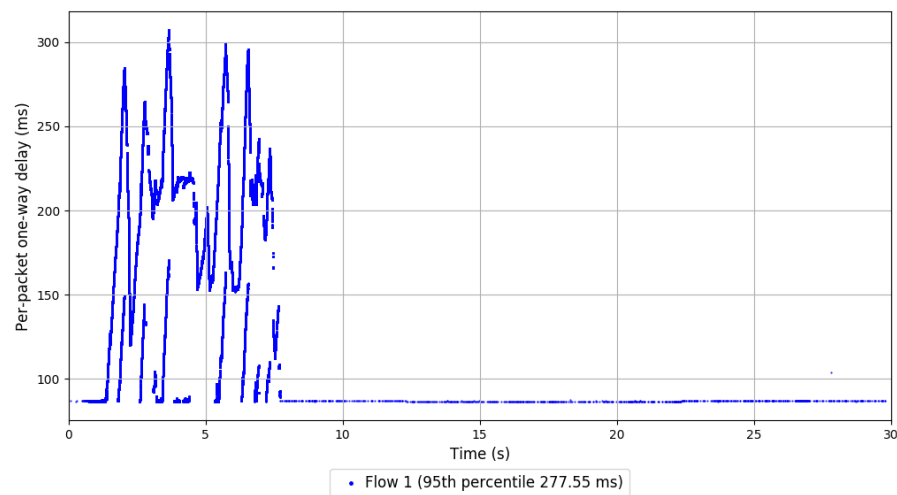
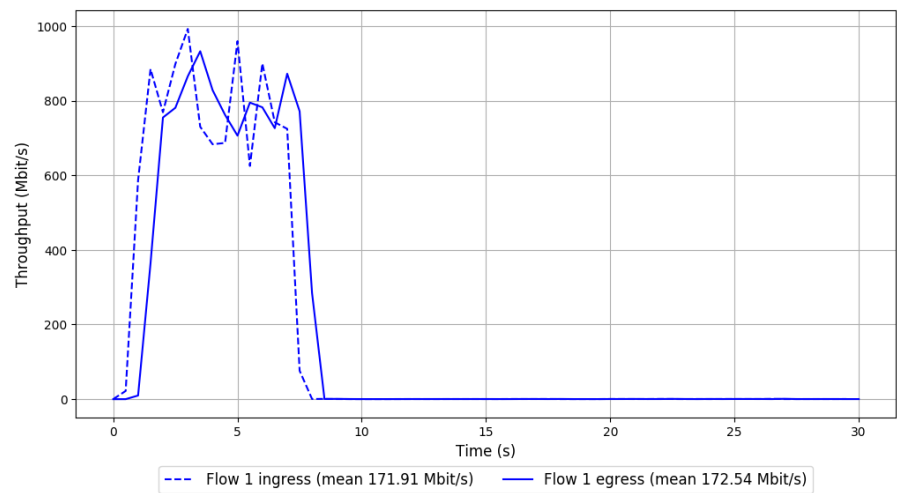


Run 9: Statistics of FillP

Start at: 2018-08-01 15:22:30
End at: 2018-08-01 15:23:00
Local clock offset: 0.047 ms
Remote clock offset: -0.148 ms

Below is generated by plot.py at 2018-08-01 16:38:33
Datalink statistics
-- Total of 1 flow:
Average throughput: 172.54 Mbit/s
95th percentile per-packet one-way delay: 277.546 ms
Loss rate: 0.44%
-- Flow 1:
Average throughput: 172.54 Mbit/s
95th percentile per-packet one-way delay: 277.546 ms
Loss rate: 0.44%

Run 9: Report of FillP — Data Link



Run 10: Statistics of FillP

Start at: 2018-08-01 15:44:24

End at: 2018-08-01 15:44:54

Local clock offset: -0.11 ms

Remote clock offset: -0.003 ms

Below is generated by plot.py at 2018-08-01 16:43:13

Datalink statistics

-- Total of 1 flow:

Average throughput: 790.40 Mbit/s

95th percentile per-packet one-way delay: 183.306 ms

Loss rate: 3.27%

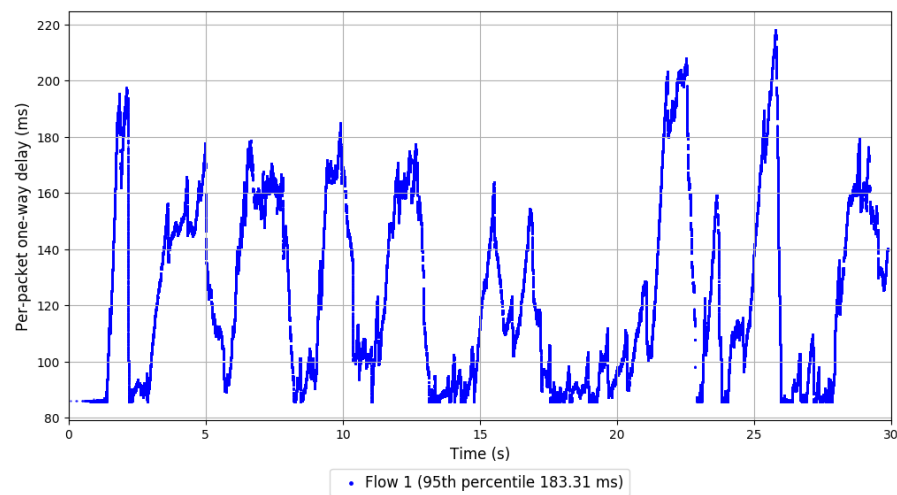
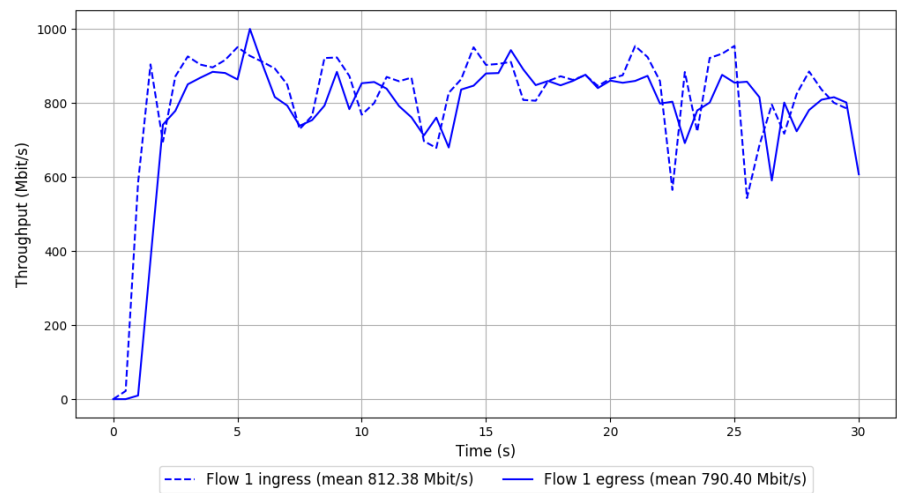
-- Flow 1:

Average throughput: 790.40 Mbit/s

95th percentile per-packet one-way delay: 183.306 ms

Loss rate: 3.27%

Run 10: Report of FillP — Data Link



Run 1: Statistics of FillP-Sheep

Start at: 2018-08-01 12:20:34

End at: 2018-08-01 12:21:04

Local clock offset: 0.007 ms

Remote clock offset: -0.128 ms

Below is generated by plot.py at 2018-08-01 16:44:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 742.15 Mbit/s

95th percentile per-packet one-way delay: 194.397 ms

Loss rate: 1.95%

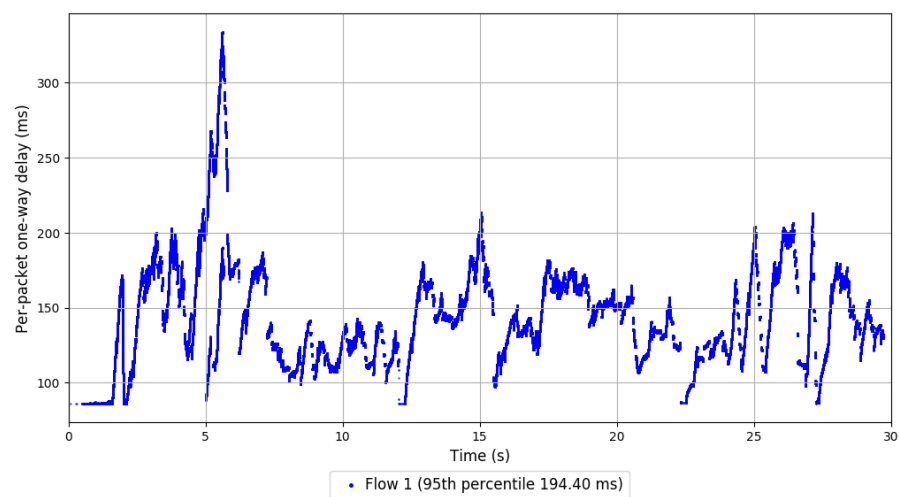
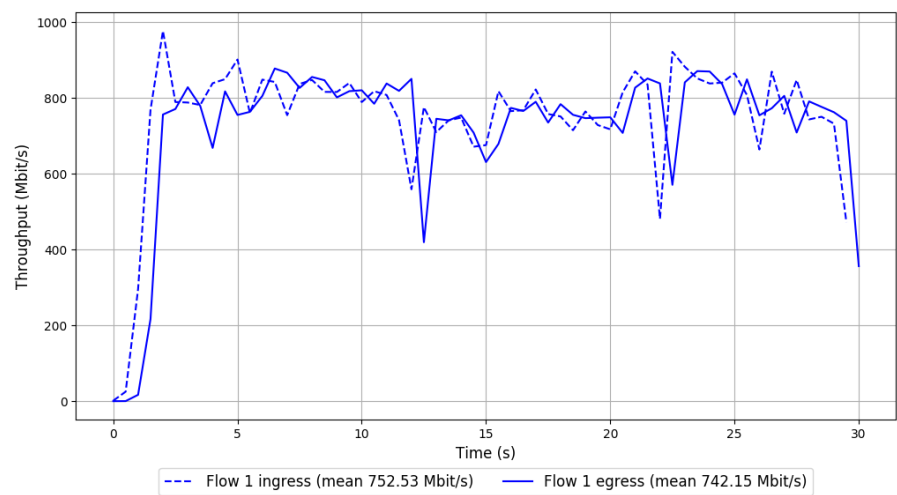
-- Flow 1:

Average throughput: 742.15 Mbit/s

95th percentile per-packet one-way delay: 194.397 ms

Loss rate: 1.95%

Run 1: Report of FillP-Sheep — Data Link



Run 2: Statistics of FillP-Sheep

Start at: 2018-08-01 12:42:45

End at: 2018-08-01 12:43:15

Local clock offset: 0.14 ms

Remote clock offset: -0.04 ms

Below is generated by plot.py at 2018-08-01 16:51:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 782.29 Mbit/s

95th percentile per-packet one-way delay: 162.074 ms

Loss rate: 2.28%

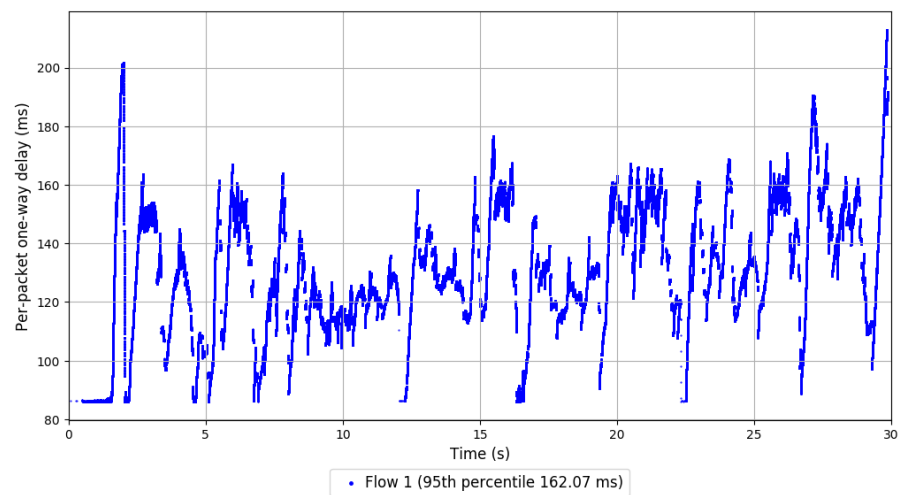
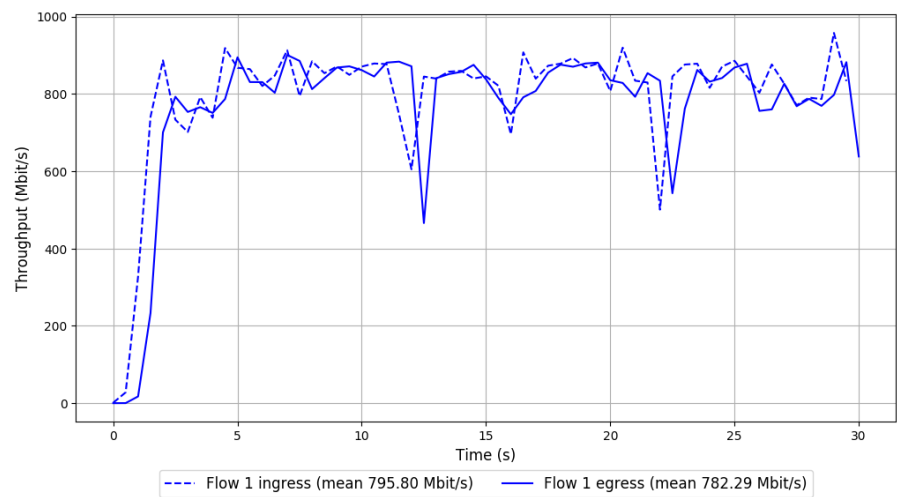
-- Flow 1:

Average throughput: 782.29 Mbit/s

95th percentile per-packet one-way delay: 162.074 ms

Loss rate: 2.28%

Run 2: Report of FillP-Sheep — Data Link

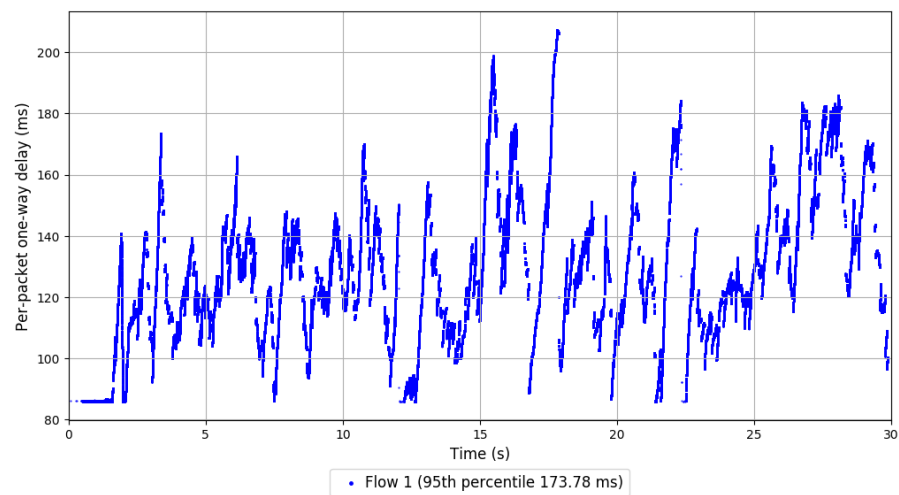
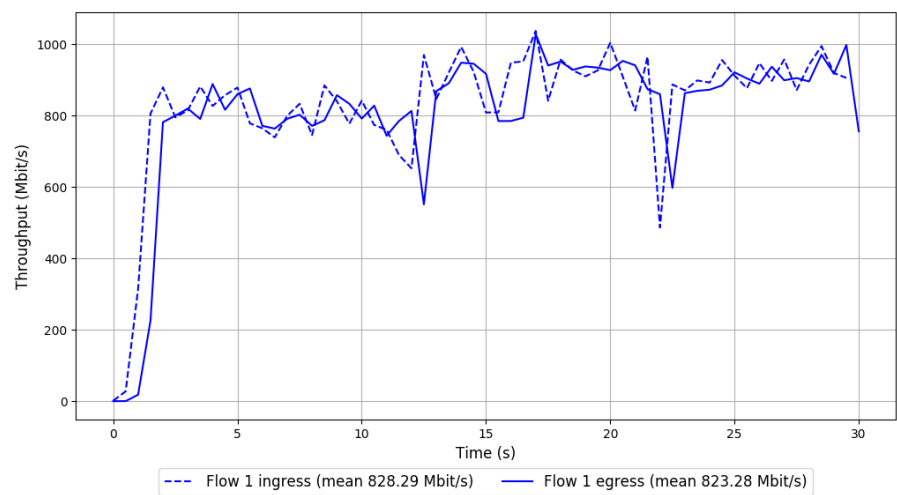


Run 3: Statistics of FillP-Sheep

Start at: 2018-08-01 13:04:57
End at: 2018-08-01 13:05:27
Local clock offset: 0.12 ms
Remote clock offset: -0.063 ms

Below is generated by plot.py at 2018-08-01 16:52:25
Datalink statistics
-- Total of 1 flow:
Average throughput: 823.28 Mbit/s
95th percentile per-packet one-way delay: 173.777 ms
Loss rate: 1.18%
-- Flow 1:
Average throughput: 823.28 Mbit/s
95th percentile per-packet one-way delay: 173.777 ms
Loss rate: 1.18%

Run 3: Report of FillP-Sheep — Data Link

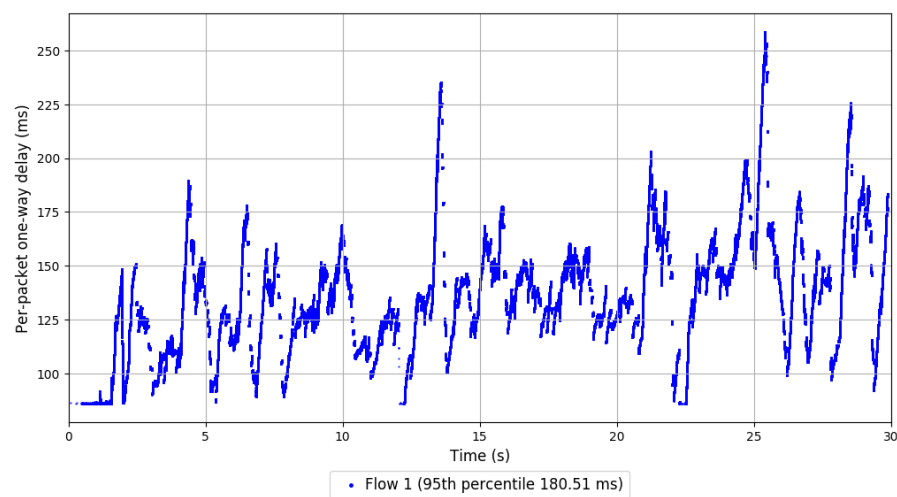
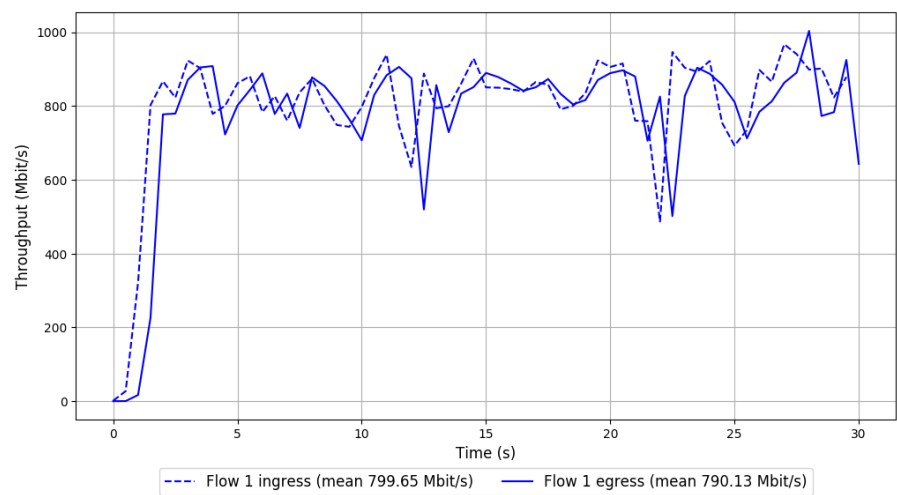


Run 4: Statistics of FillP-Sheep

Start at: 2018-08-01 13:27:01
End at: 2018-08-01 13:27:31
Local clock offset: 0.085 ms
Remote clock offset: -0.071 ms

Below is generated by plot.py at 2018-08-01 16:52:25
Datalink statistics
-- Total of 1 flow:
Average throughput: 790.13 Mbit/s
95th percentile per-packet one-way delay: 180.512 ms
Loss rate: 1.76%
-- Flow 1:
Average throughput: 790.13 Mbit/s
95th percentile per-packet one-way delay: 180.512 ms
Loss rate: 1.76%

Run 4: Report of FillP-Sheep — Data Link

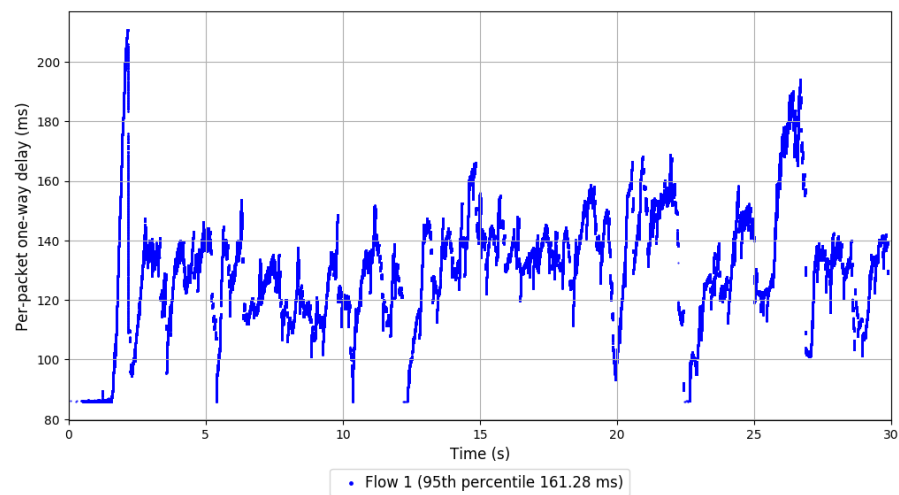
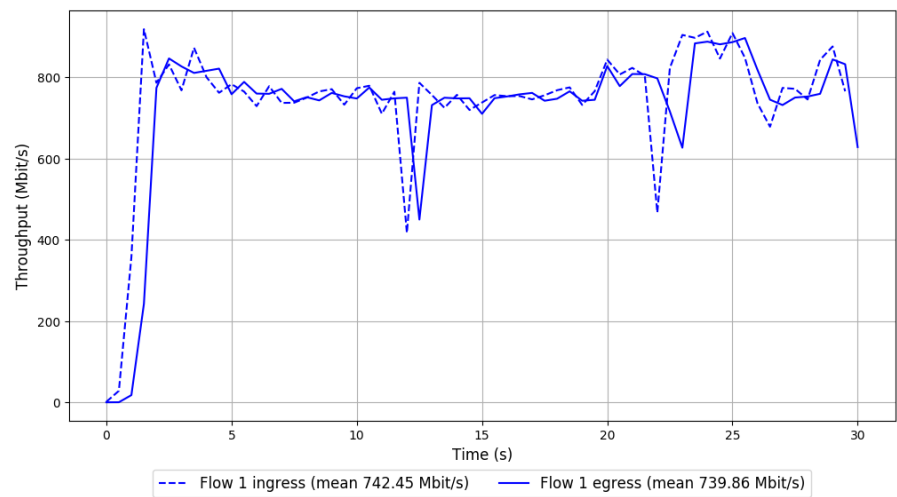


Run 5: Statistics of FillP-Sheep

Start at: 2018-08-01 13:49:16
End at: 2018-08-01 13:49:46
Local clock offset: -0.057 ms
Remote clock offset: -0.071 ms

Below is generated by plot.py at 2018-08-01 16:52:25
Datalink statistics
-- Total of 1 flow:
Average throughput: 739.86 Mbit/s
95th percentile per-packet one-way delay: 161.282 ms
Loss rate: 0.93%
-- Flow 1:
Average throughput: 739.86 Mbit/s
95th percentile per-packet one-way delay: 161.282 ms
Loss rate: 0.93%

Run 5: Report of FillP-Sheep — Data Link

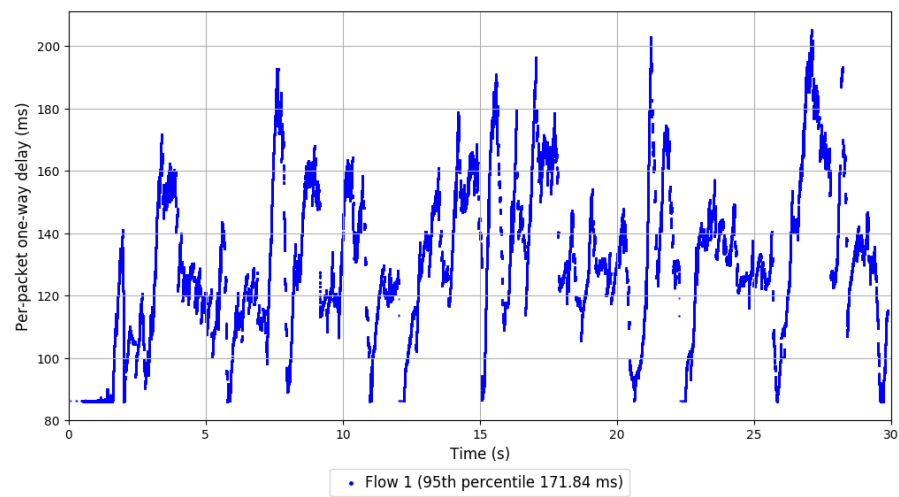
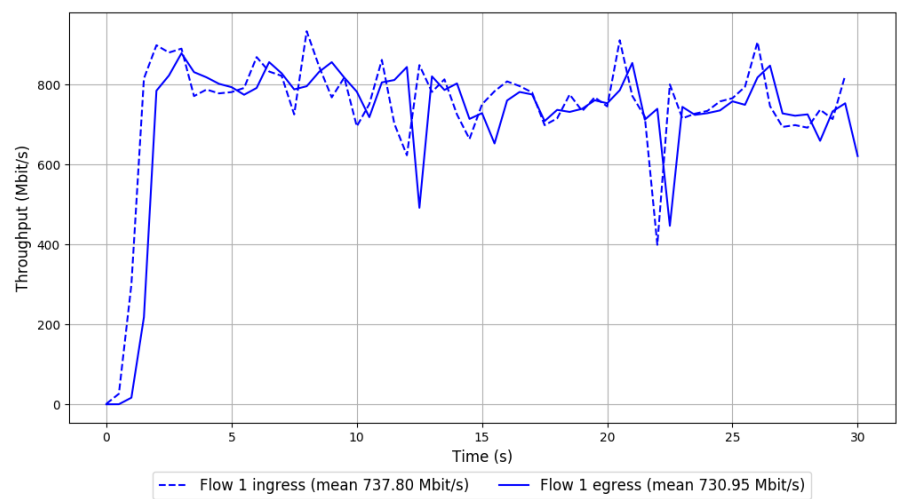


Run 6: Statistics of FillP-Sheep

Start at: 2018-08-01 14:11:41
End at: 2018-08-01 14:12:11
Local clock offset: 0.238 ms
Remote clock offset: -0.051 ms

Below is generated by plot.py at 2018-08-01 16:52:25
Datalink statistics
-- Total of 1 flow:
Average throughput: 730.95 Mbit/s
95th percentile per-packet one-way delay: 171.839 ms
Loss rate: 1.50%
-- Flow 1:
Average throughput: 730.95 Mbit/s
95th percentile per-packet one-way delay: 171.839 ms
Loss rate: 1.50%

Run 6: Report of FillP-Sheep — Data Link

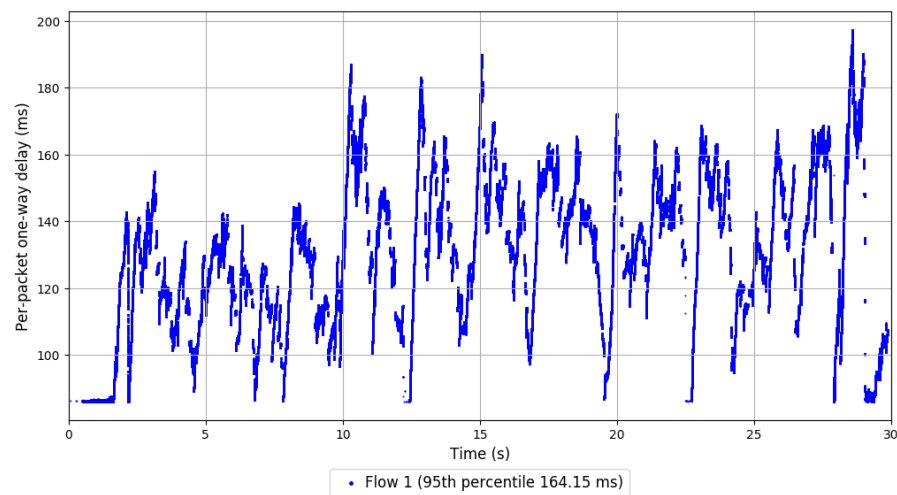
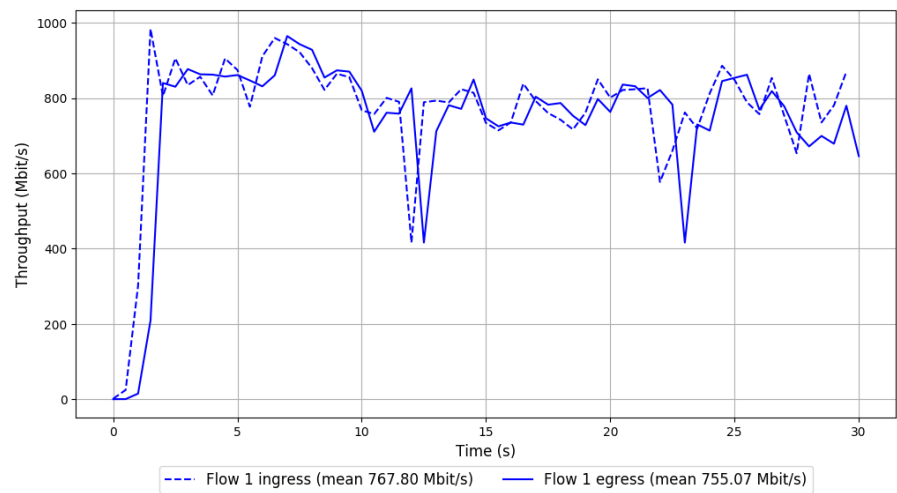


Run 7: Statistics of FillP-Sheep

Start at: 2018-08-01 14:33:53
End at: 2018-08-01 14:34:23
Local clock offset: 0.099 ms
Remote clock offset: -0.1 ms

Below is generated by plot.py at 2018-08-01 16:56:04
Datalink statistics
-- Total of 1 flow:
Average throughput: 755.07 Mbit/s
95th percentile per-packet one-way delay: 164.154 ms
Loss rate: 2.23%
-- Flow 1:
Average throughput: 755.07 Mbit/s
95th percentile per-packet one-way delay: 164.154 ms
Loss rate: 2.23%

Run 7: Report of FillP-Sheep — Data Link

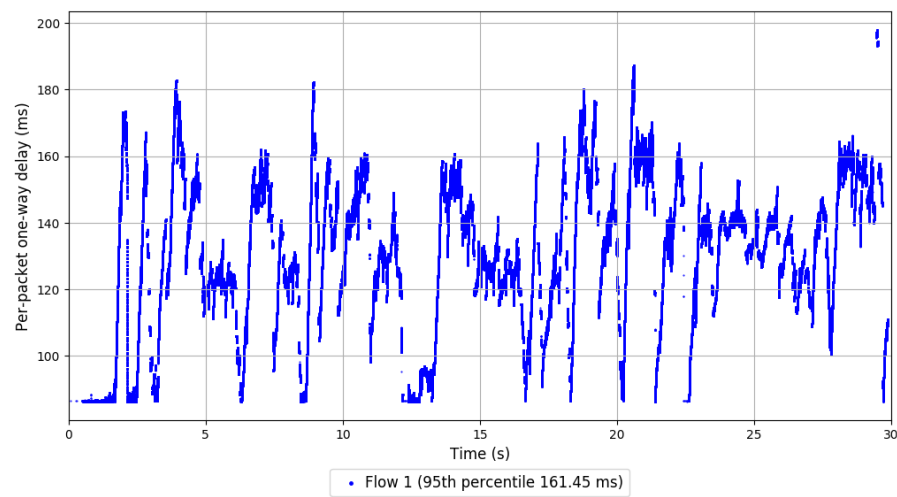
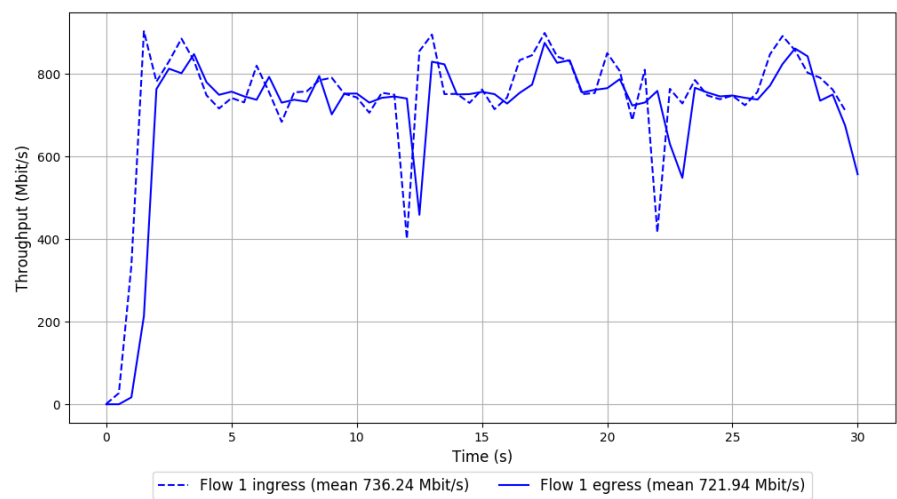


Run 8: Statistics of FillP-Sheep

Start at: 2018-08-01 14:56:09
End at: 2018-08-01 14:56:39
Local clock offset: 0.032 ms
Remote clock offset: -0.138 ms

Below is generated by plot.py at 2018-08-01 17:00:40
Datalink statistics
-- Total of 1 flow:
Average throughput: 721.94 Mbit/s
95th percentile per-packet one-way delay: 161.448 ms
Loss rate: 2.51%
-- Flow 1:
Average throughput: 721.94 Mbit/s
95th percentile per-packet one-way delay: 161.448 ms
Loss rate: 2.51%

Run 8: Report of FillP-Sheep — Data Link



Run 9: Statistics of FillP-Sheep

Start at: 2018-08-01 15:18:16

End at: 2018-08-01 15:18:46

Local clock offset: 0.077 ms

Remote clock offset: -0.171 ms

Below is generated by plot.py at 2018-08-01 17:04:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 770.13 Mbit/s

95th percentile per-packet one-way delay: 160.722 ms

Loss rate: 1.32%

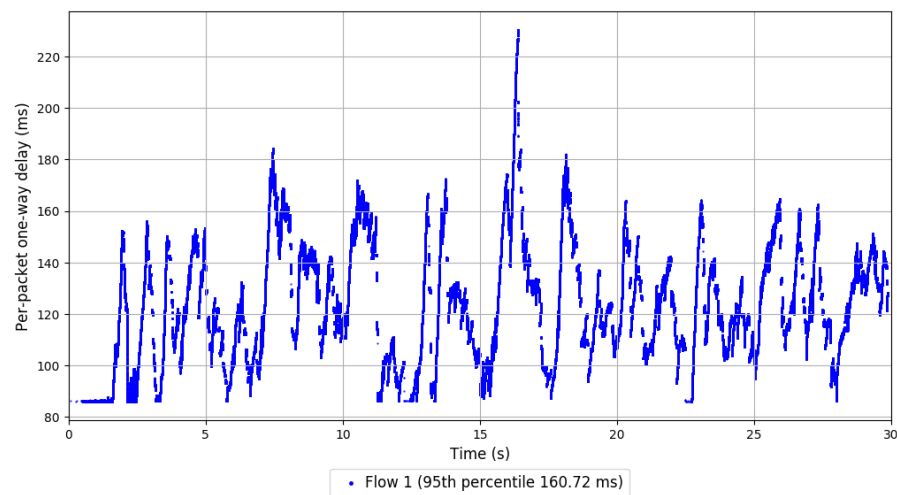
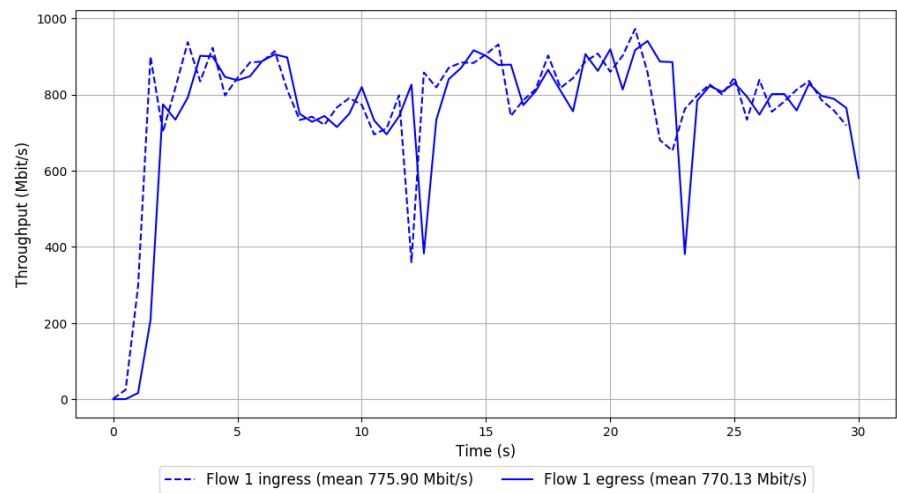
-- Flow 1:

Average throughput: 770.13 Mbit/s

95th percentile per-packet one-way delay: 160.722 ms

Loss rate: 1.32%

Run 9: Report of FillP-Sheep — Data Link



Run 10: Statistics of FillP-Sheep

Start at: 2018-08-01 15:40:12

End at: 2018-08-01 15:40:42

Local clock offset: 0.065 ms

Remote clock offset: -0.03 ms

Below is generated by plot.py at 2018-08-01 17:08:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 781.43 Mbit/s

95th percentile per-packet one-way delay: 162.921 ms

Loss rate: 1.37%

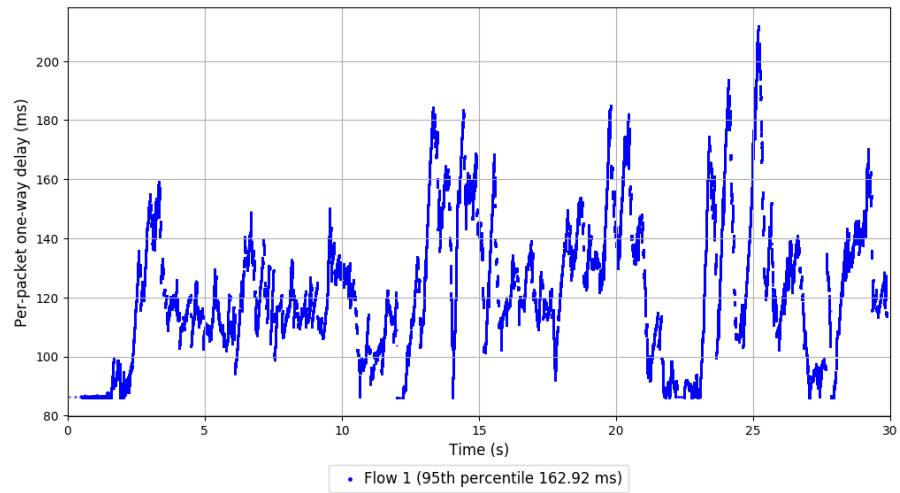
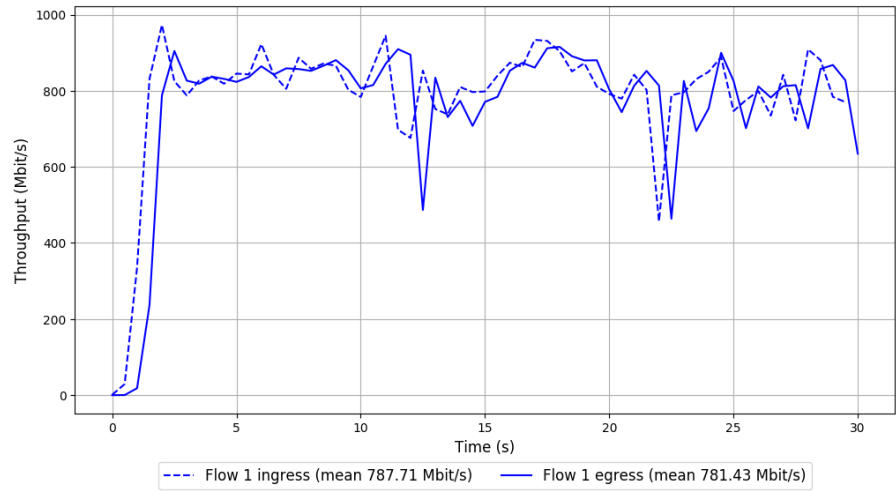
-- Flow 1:

Average throughput: 781.43 Mbit/s

95th percentile per-packet one-way delay: 162.921 ms

Loss rate: 1.37%

Run 10: Report of FillP-Sheep — Data Link



Run 1: Statistics of Indigo

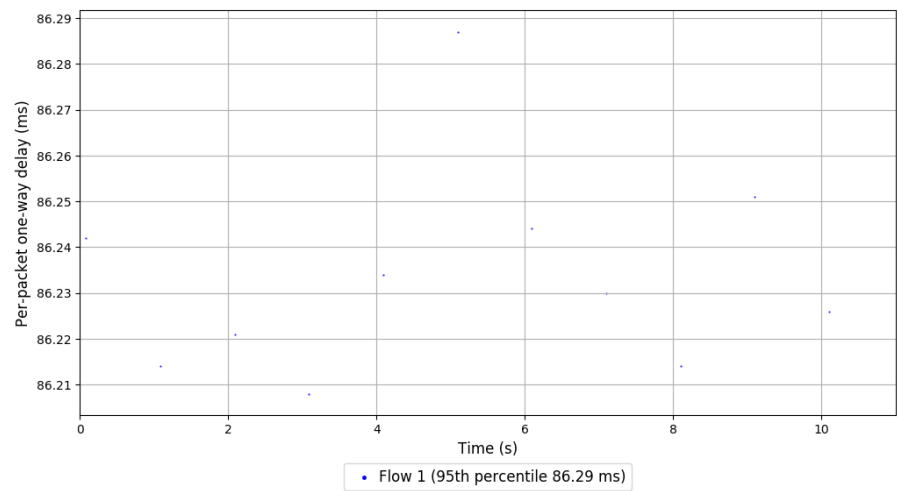
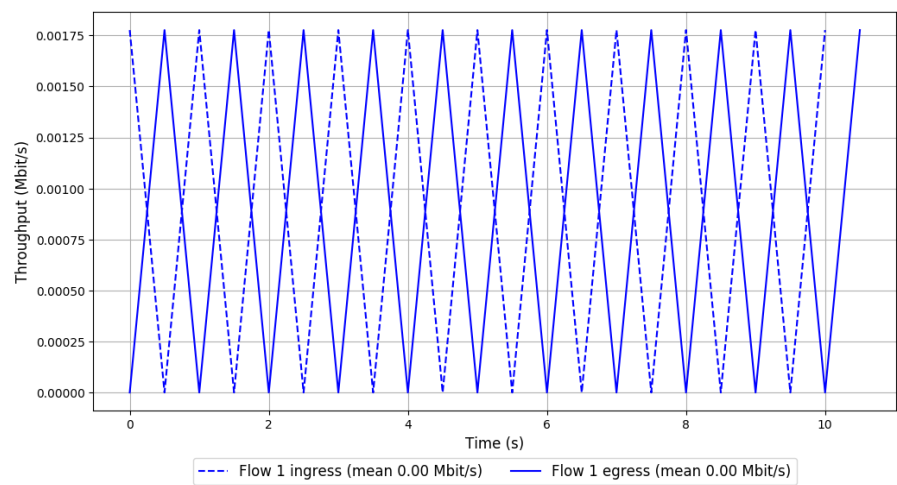
Start at: 2018-08-01 12:31:53

End at: 2018-08-01 12:32:23

Local clock offset: 0.094 ms

Remote clock offset: -0.165 ms

Run 1: Report of Indigo — Data Link

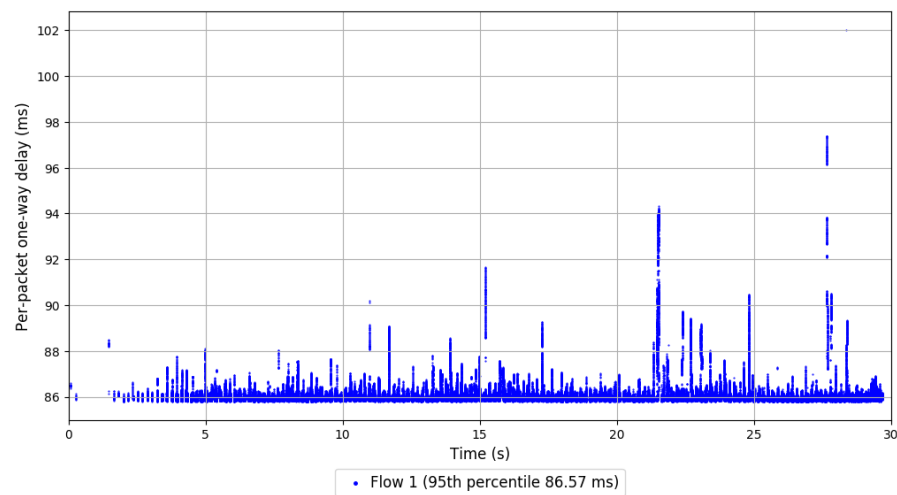
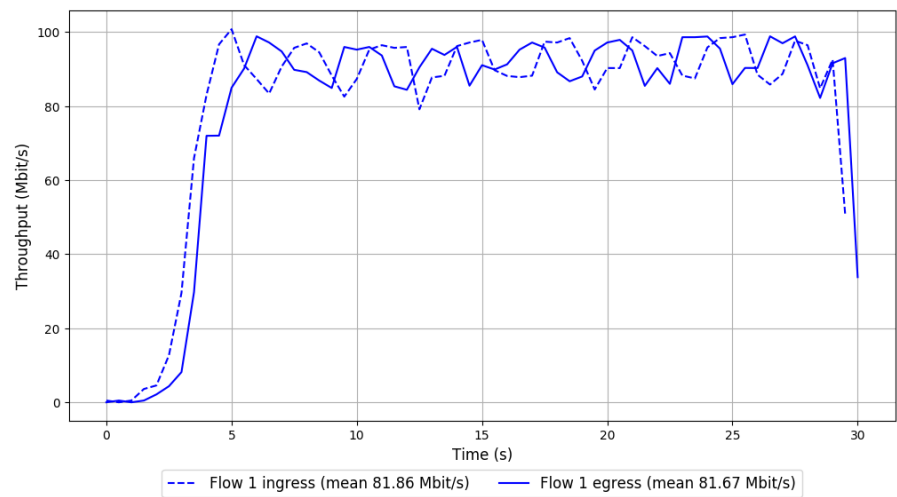


Run 2: Statistics of Indigo

Start at: 2018-08-01 12:54:05
End at: 2018-08-01 12:54:35
Local clock offset: 0.038 ms
Remote clock offset: -0.035 ms

Below is generated by plot.py at 2018-08-01 17:08:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 81.67 Mbit/s
95th percentile per-packet one-way delay: 86.572 ms
Loss rate: 0.66%
-- Flow 1:
Average throughput: 81.67 Mbit/s
95th percentile per-packet one-way delay: 86.572 ms
Loss rate: 0.66%

Run 2: Report of Indigo — Data Link



Run 3: Statistics of Indigo

Start at: 2018-08-01 13:15:56

End at: 2018-08-01 13:16:26

Local clock offset: 0.13 ms

Remote clock offset: -0.07 ms

Below is generated by plot.py at 2018-08-01 17:08:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 201.86 Mbit/s

95th percentile per-packet one-way delay: 86.548 ms

Loss rate: 0.62%

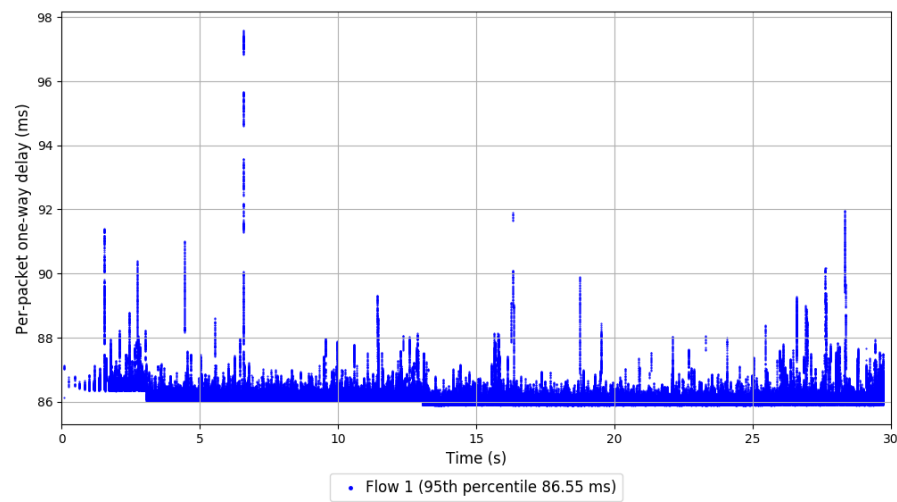
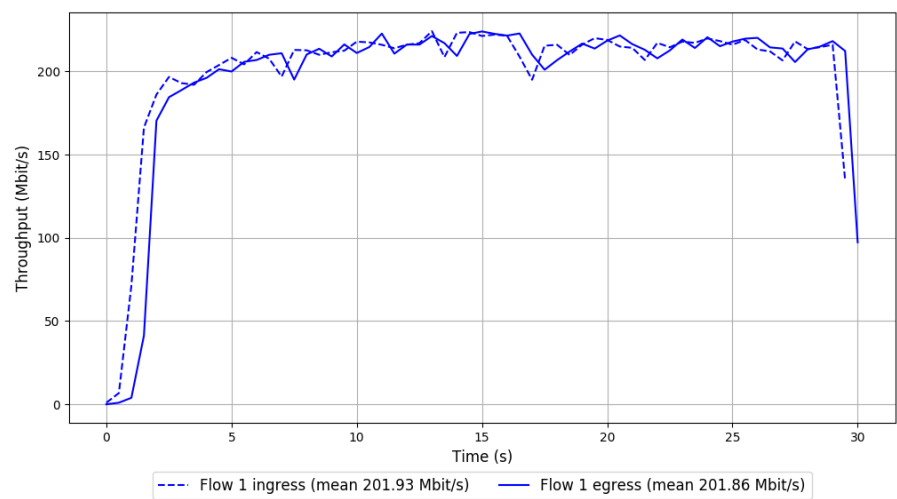
-- Flow 1:

Average throughput: 201.86 Mbit/s

95th percentile per-packet one-way delay: 86.548 ms

Loss rate: 0.62%

Run 3: Report of Indigo — Data Link

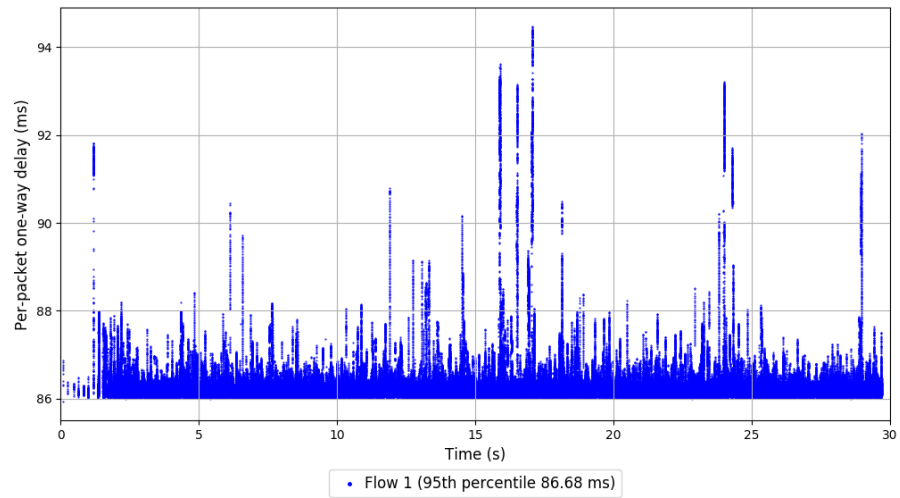
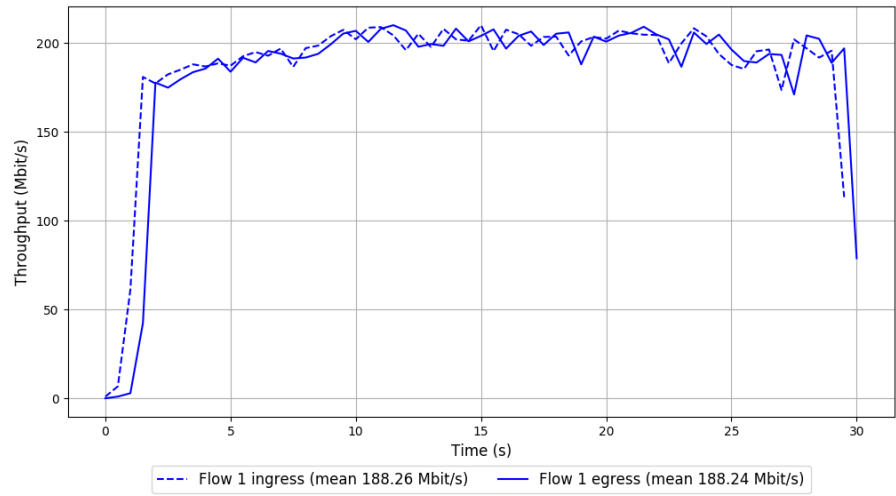


Run 4: Statistics of Indigo

Start at: 2018-08-01 13:38:14
End at: 2018-08-01 13:38:44
Local clock offset: -0.224 ms
Remote clock offset: -0.067 ms

Below is generated by plot.py at 2018-08-01 17:08:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 188.24 Mbit/s
95th percentile per-packet one-way delay: 86.681 ms
Loss rate: 0.59%
-- Flow 1:
Average throughput: 188.24 Mbit/s
95th percentile per-packet one-way delay: 86.681 ms
Loss rate: 0.59%

Run 4: Report of Indigo — Data Link

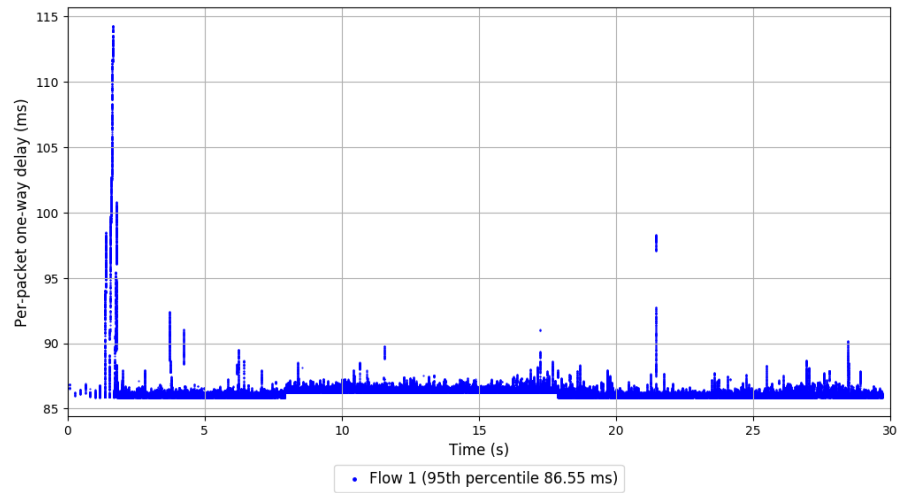
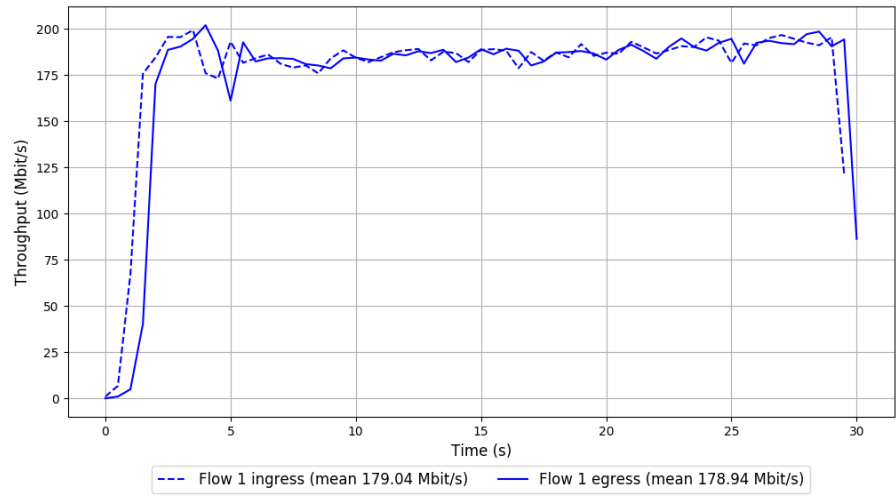


Run 5: Statistics of Indigo

Start at: 2018-08-01 14:00:41
End at: 2018-08-01 14:01:11
Local clock offset: 0.09 ms
Remote clock offset: -0.076 ms

Below is generated by plot.py at 2018-08-01 17:08:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 178.94 Mbit/s
95th percentile per-packet one-way delay: 86.551 ms
Loss rate: 0.63%
-- Flow 1:
Average throughput: 178.94 Mbit/s
95th percentile per-packet one-way delay: 86.551 ms
Loss rate: 0.63%

Run 5: Report of Indigo — Data Link



Run 6: Statistics of Indigo

Start at: 2018-08-01 14:22:52

End at: 2018-08-01 14:23:22

Local clock offset: 0.232 ms

Remote clock offset: -0.11 ms

Below is generated by plot.py at 2018-08-01 17:08:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 178.25 Mbit/s

95th percentile per-packet one-way delay: 86.715 ms

Loss rate: 0.56%

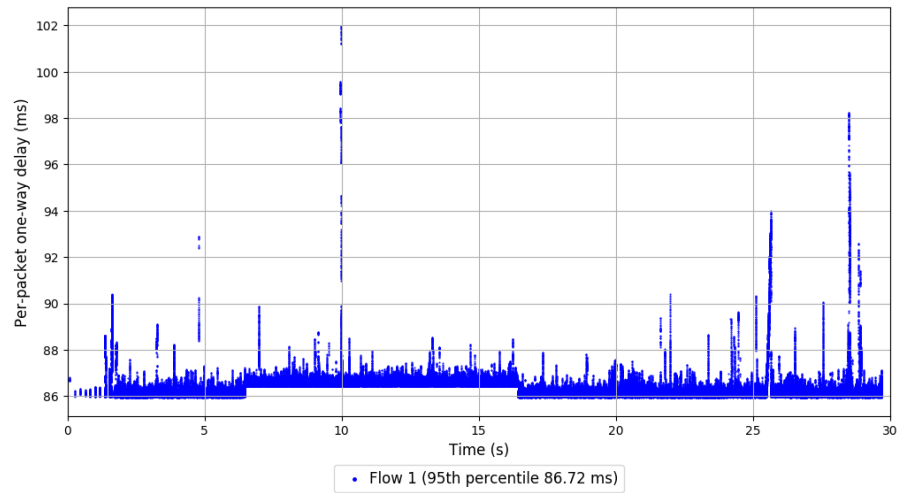
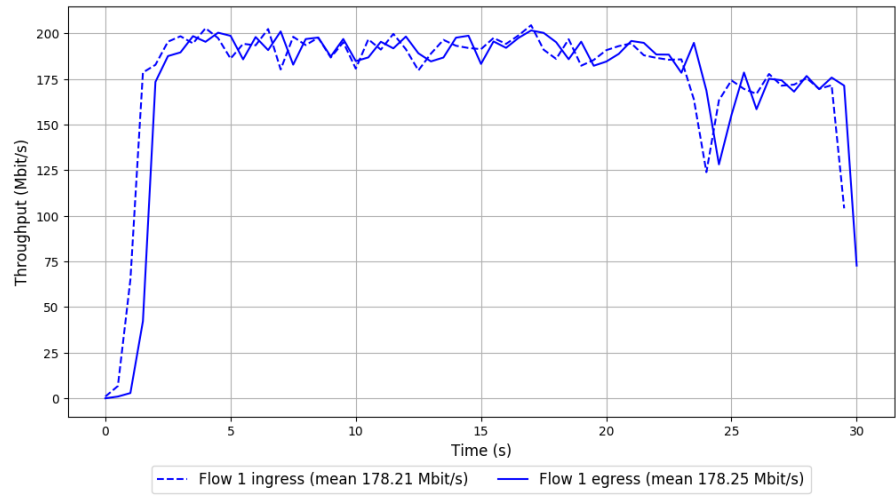
-- Flow 1:

Average throughput: 178.25 Mbit/s

95th percentile per-packet one-way delay: 86.715 ms

Loss rate: 0.56%

Run 6: Report of Indigo — Data Link

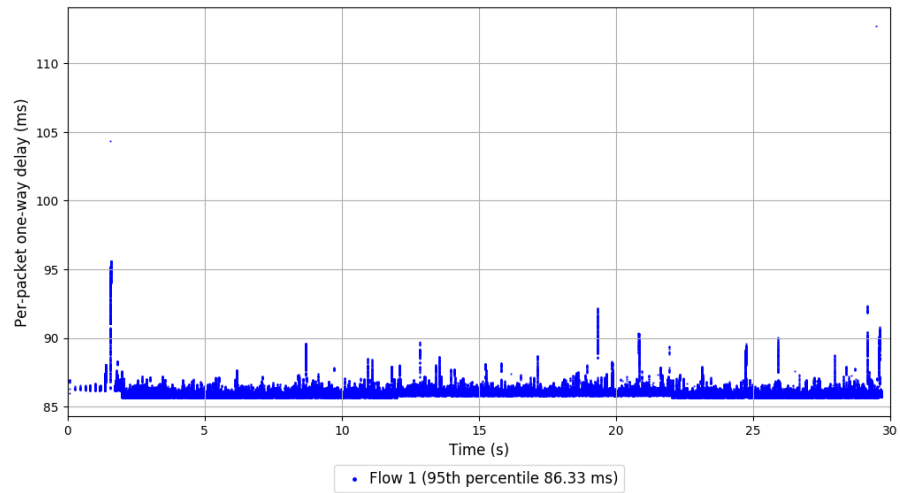
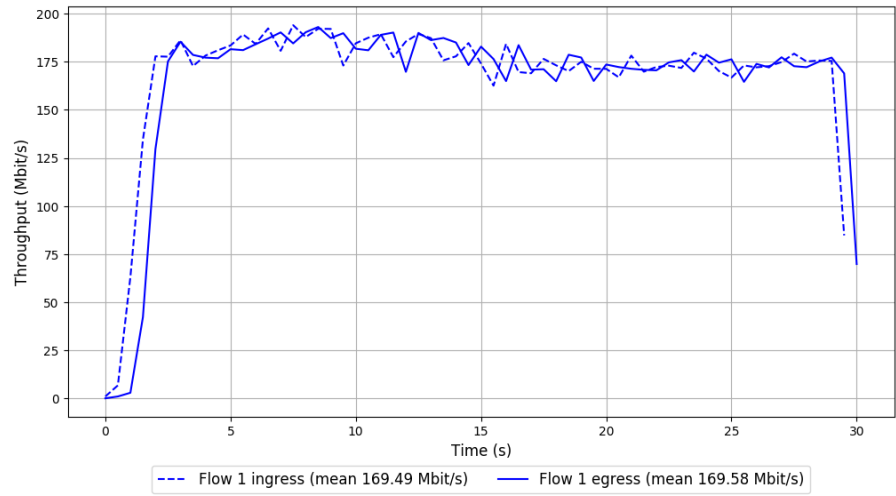


Run 7: Statistics of Indigo

Start at: 2018-08-01 14:45:07
End at: 2018-08-01 14:45:37
Local clock offset: -0.163 ms
Remote clock offset: -0.168 ms

Below is generated by plot.py at 2018-08-01 17:08:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 169.58 Mbit/s
95th percentile per-packet one-way delay: 86.334 ms
Loss rate: 0.53%
-- Flow 1:
Average throughput: 169.58 Mbit/s
95th percentile per-packet one-way delay: 86.334 ms
Loss rate: 0.53%

Run 7: Report of Indigo — Data Link

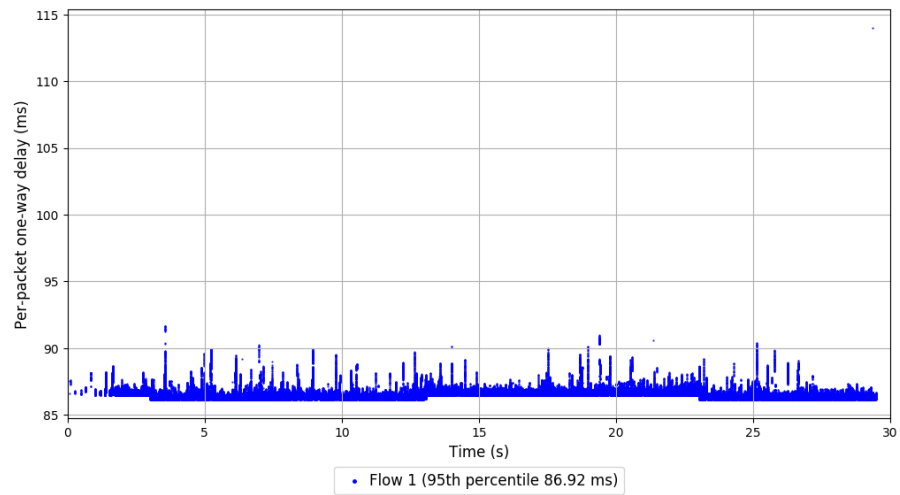
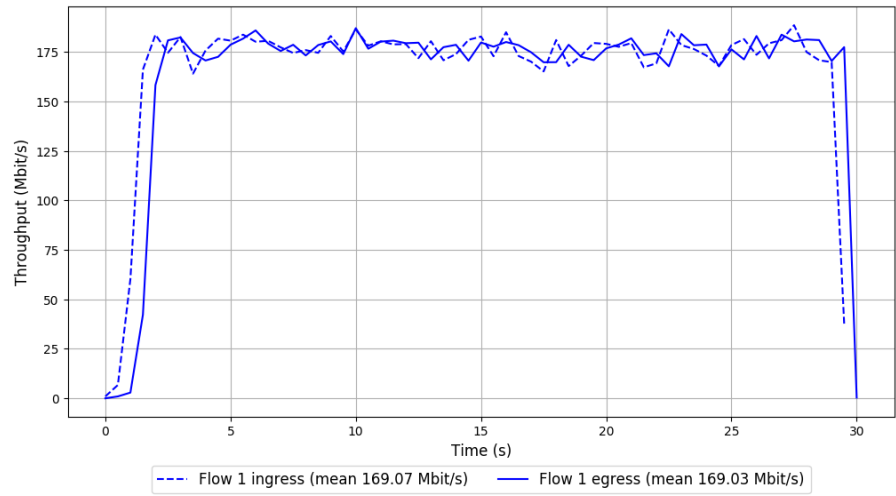


Run 8: Statistics of Indigo

Start at: 2018-08-01 15:07:15
End at: 2018-08-01 15:07:45
Local clock offset: 0.245 ms
Remote clock offset: -0.162 ms

Below is generated by plot.py at 2018-08-01 17:08:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 169.03 Mbit/s
95th percentile per-packet one-way delay: 86.922 ms
Loss rate: 0.61%
-- Flow 1:
Average throughput: 169.03 Mbit/s
95th percentile per-packet one-way delay: 86.922 ms
Loss rate: 0.61%

Run 8: Report of Indigo — Data Link

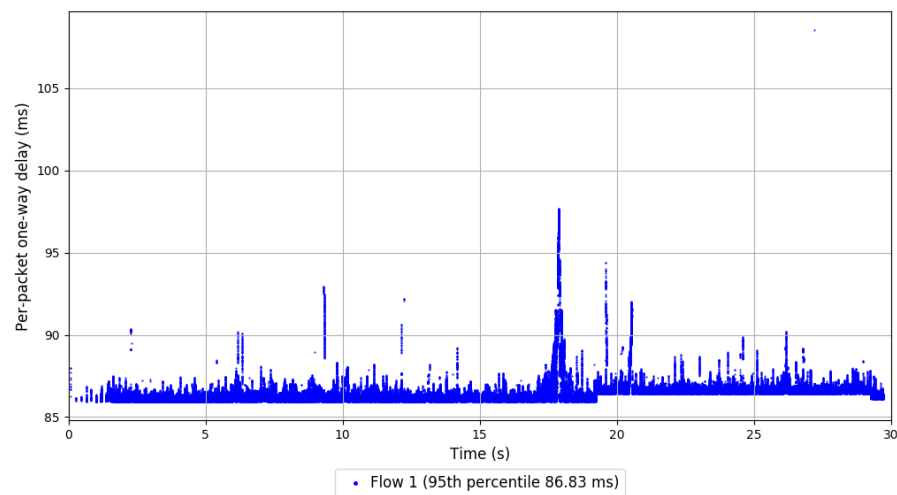
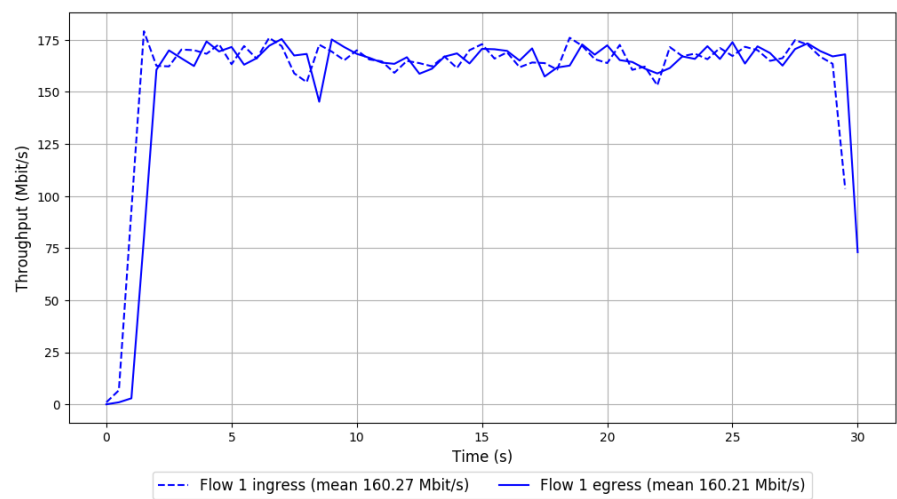


Run 9: Statistics of Indigo

Start at: 2018-08-01 15:29:09
End at: 2018-08-01 15:29:39
Local clock offset: 0.157 ms
Remote clock offset: -0.164 ms

Below is generated by plot.py at 2018-08-01 17:08:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 160.21 Mbit/s
95th percentile per-packet one-way delay: 86.832 ms
Loss rate: 0.62%
-- Flow 1:
Average throughput: 160.21 Mbit/s
95th percentile per-packet one-way delay: 86.832 ms
Loss rate: 0.62%

Run 9: Report of Indigo — Data Link



Run 10: Statistics of Indigo

Start at: 2018-08-01 15:51:30

End at: 2018-08-01 15:52:00

Local clock offset: 0.029 ms

Remote clock offset: 0.064 ms

Below is generated by plot.py at 2018-08-01 17:08:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 160.40 Mbit/s

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

Loss rate: 0.62%

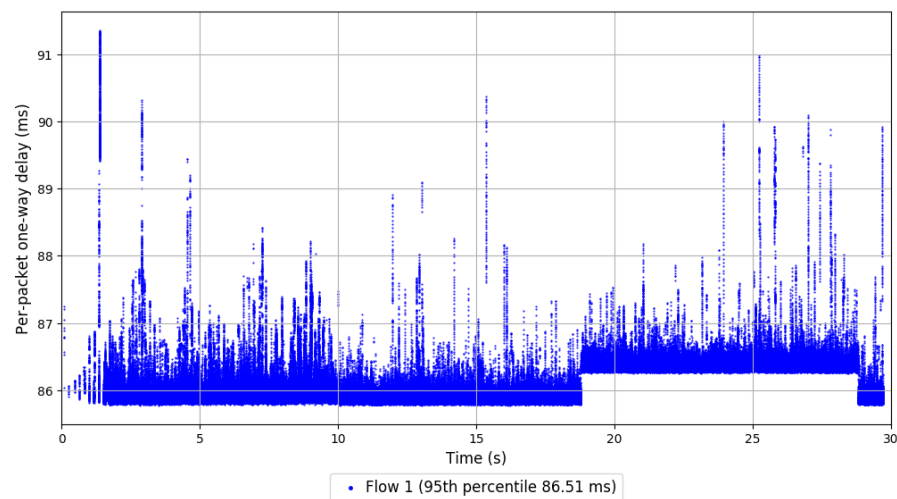
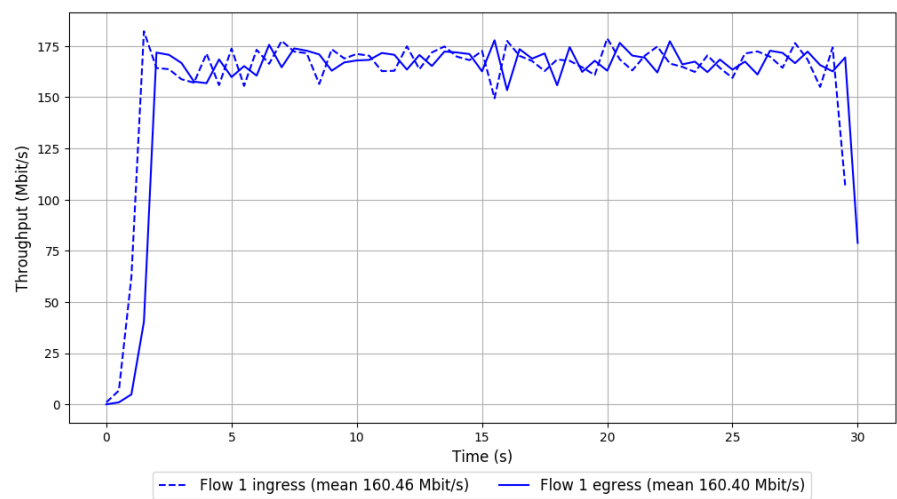
-- Flow 1:

Average throughput: 160.40 Mbit/s

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

Loss rate: 0.62%

Run 10: Report of Indigo — Data Link

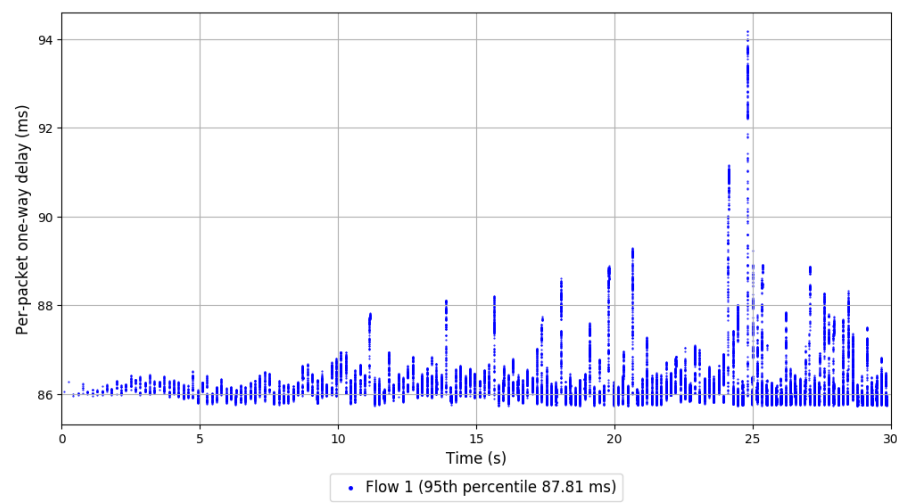
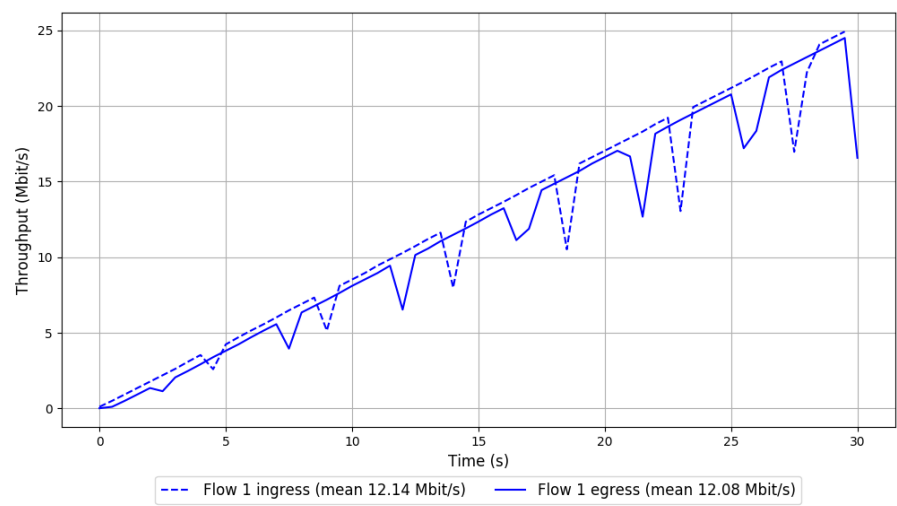


```
Run 1: Statistics of LEDBAT

Start at: 2018-08-01 12:22:11
End at: 2018-08-01 12:22:41
Local clock offset: -0.079 ms
Remote clock offset: -0.074 ms

# Below is generated by plot.py at 2018-08-01 17:08:29
# Datalink statistics
-- Total of 1 flow:
Average throughput: 12.08 Mbit/s
95th percentile per-packet one-way delay: 87.806 ms
Loss rate: 1.15%
-- Flow 1:
Average throughput: 12.08 Mbit/s
95th percentile per-packet one-way delay: 87.806 ms
Loss rate: 1.15%
```


Run 1: Report of LEDBAT — Data Link

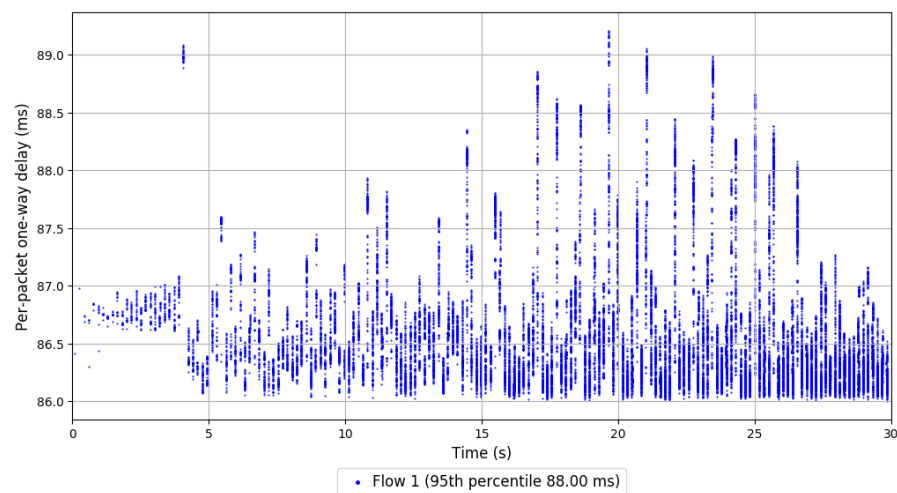
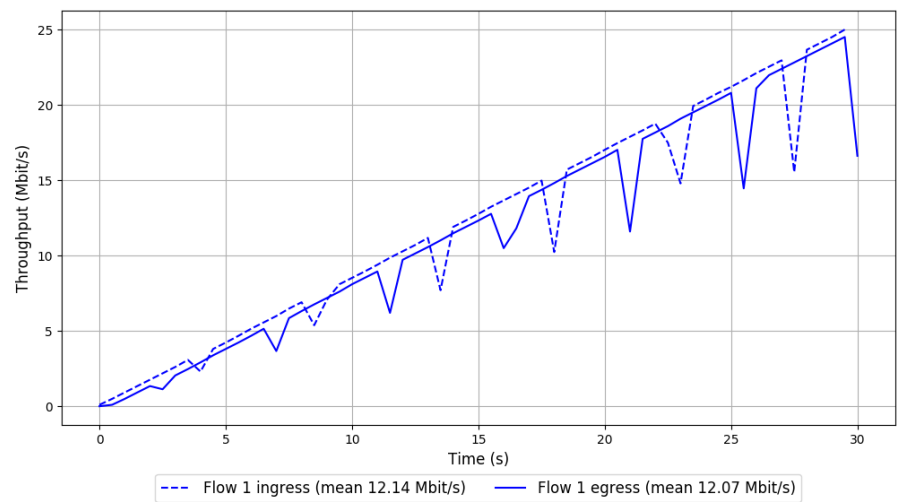


Run 2: Statistics of LEDBAT

Start at: 2018-08-01 12:44:25
End at: 2018-08-01 12:44:55
Local clock offset: 0.223 ms
Remote clock offset: -0.062 ms

Below is generated by plot.py at 2018-08-01 17:08:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 12.07 Mbit/s
95th percentile per-packet one-way delay: 88.000 ms
Loss rate: 1.15%
-- Flow 1:
Average throughput: 12.07 Mbit/s
95th percentile per-packet one-way delay: 88.000 ms
Loss rate: 1.15%

Run 2: Report of LEDBAT — Data Link

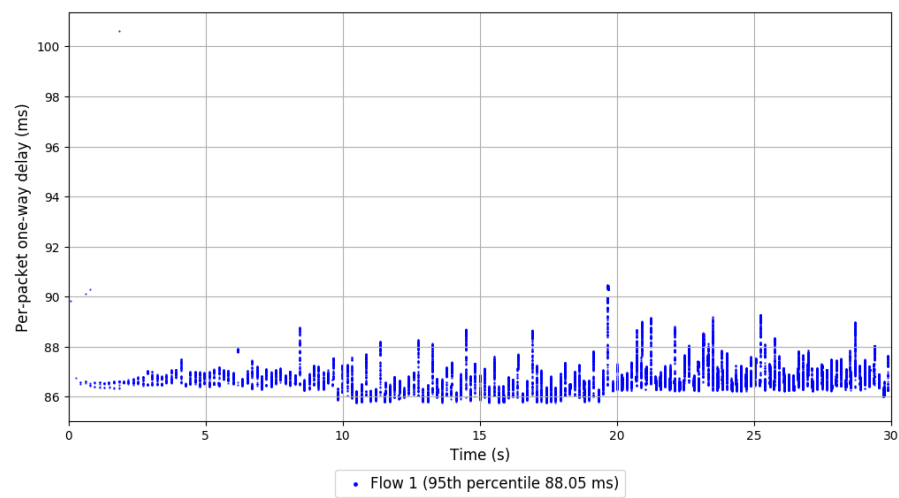
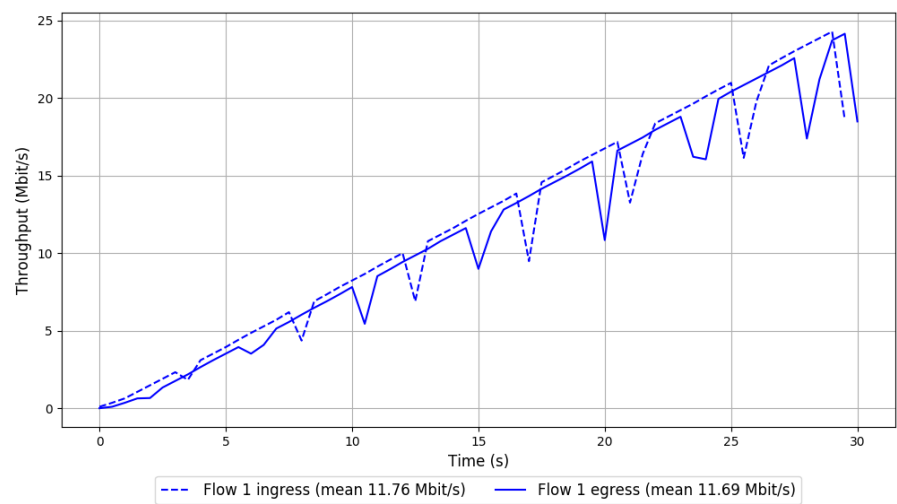


Run 3: Statistics of LEDBAT

Start at: 2018-08-01 13:06:39
End at: 2018-08-01 13:07:09
Local clock offset: 0.074 ms
Remote clock offset: -0.032 ms

Below is generated by plot.py at 2018-08-01 17:08:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 11.69 Mbit/s
95th percentile per-packet one-way delay: 88.051 ms
Loss rate: 1.17%
-- Flow 1:
Average throughput: 11.69 Mbit/s
95th percentile per-packet one-way delay: 88.051 ms
Loss rate: 1.17%

Run 3: Report of LEDBAT — Data Link

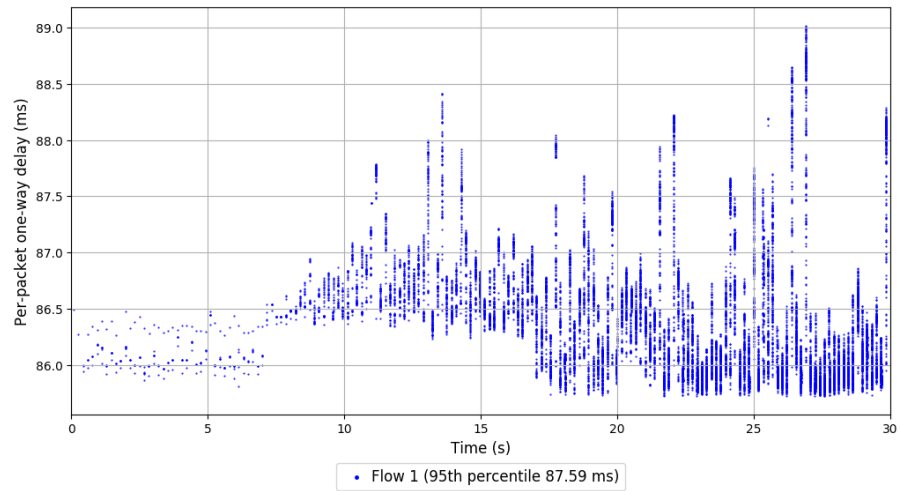
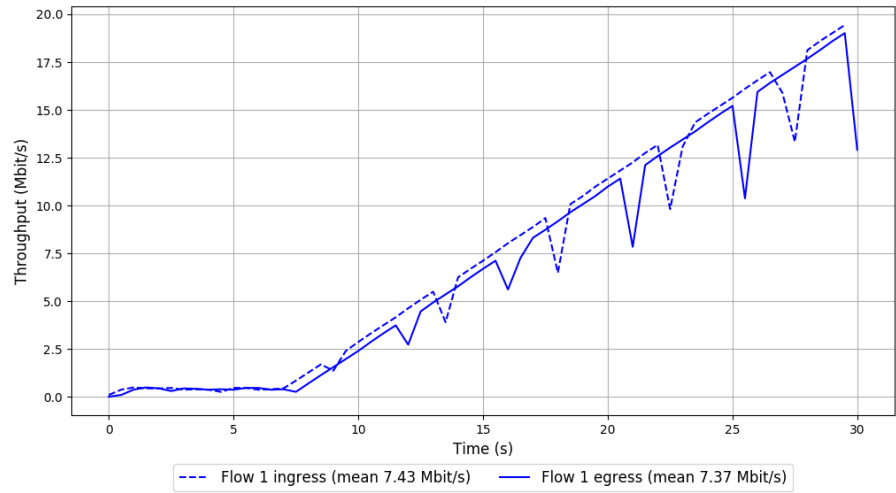


Run 4: Statistics of LEDBAT

Start at: 2018-08-01 13:28:42
End at: 2018-08-01 13:29:12
Local clock offset: -0.108 ms
Remote clock offset: -0.119 ms

Below is generated by plot.py at 2018-08-01 17:08:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 7.37 Mbit/s
95th percentile per-packet one-way delay: 87.588 ms
Loss rate: 1.47%
-- Flow 1:
Average throughput: 7.37 Mbit/s
95th percentile per-packet one-way delay: 87.588 ms
Loss rate: 1.47%

Run 4: Report of LEDBAT — Data Link

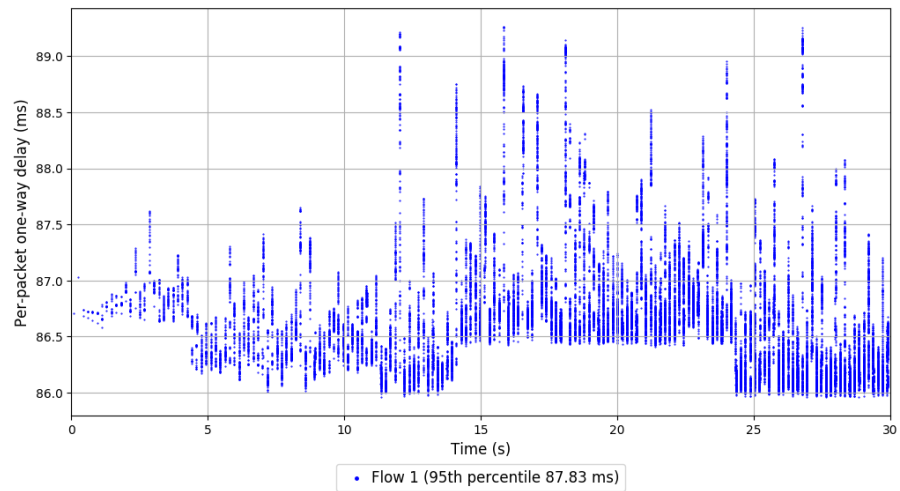
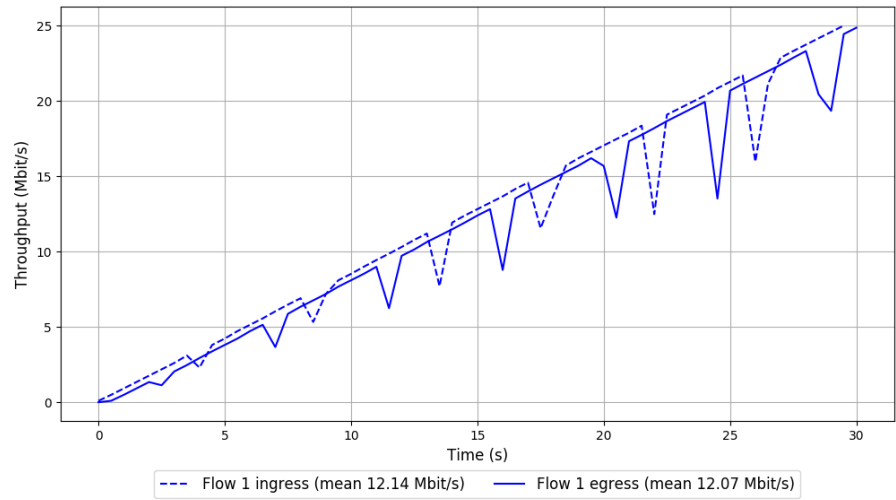


Run 5: Statistics of LEDBAT

Start at: 2018-08-01 13:50:54
End at: 2018-08-01 13:51:24
Local clock offset: 0.222 ms
Remote clock offset: -0.077 ms

Below is generated by plot.py at 2018-08-01 17:08:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 12.07 Mbit/s
95th percentile per-packet one-way delay: 87.830 ms
Loss rate: 1.15%
-- Flow 1:
Average throughput: 12.07 Mbit/s
95th percentile per-packet one-way delay: 87.830 ms
Loss rate: 1.15%

Run 5: Report of LEDBAT — Data Link

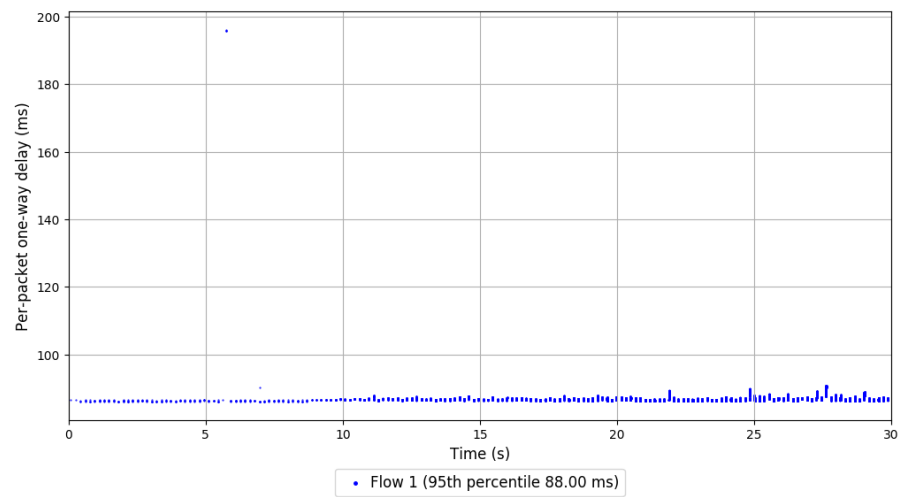
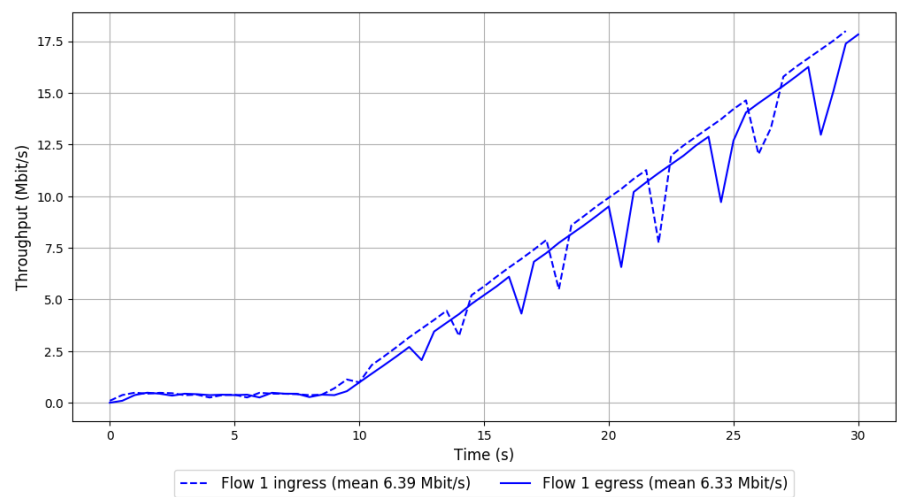


Run 6: Statistics of LEDBAT

Start at: 2018-08-01 14:13:20
End at: 2018-08-01 14:13:50
Local clock offset: 0.115 ms
Remote clock offset: -0.069 ms

Below is generated by plot.py at 2018-08-01 17:08:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 6.33 Mbit/s
95th percentile per-packet one-way delay: 87.996 ms
Loss rate: 1.58%
-- Flow 1:
Average throughput: 6.33 Mbit/s
95th percentile per-packet one-way delay: 87.996 ms
Loss rate: 1.58%

Run 6: Report of LEDBAT — Data Link

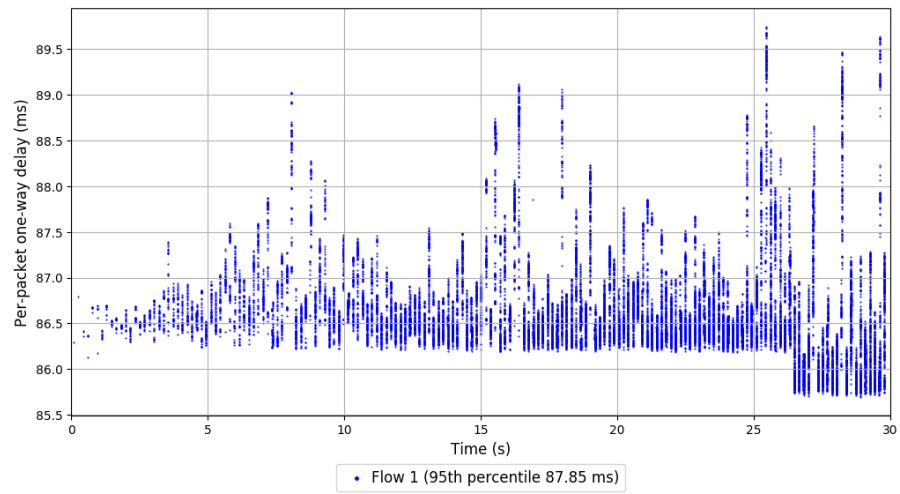
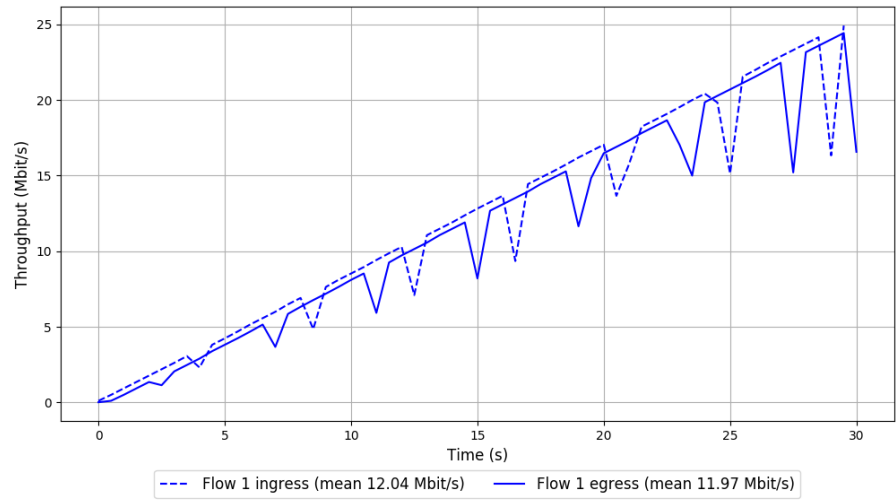


Run 7: Statistics of LEDBAT

Start at: 2018-08-01 14:35:32
End at: 2018-08-01 14:36:02
Local clock offset: -0.08 ms
Remote clock offset: -0.132 ms

Below is generated by plot.py at 2018-08-01 17:08:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 11.97 Mbit/s
95th percentile per-packet one-way delay: 87.847 ms
Loss rate: 1.16%
-- Flow 1:
Average throughput: 11.97 Mbit/s
95th percentile per-packet one-way delay: 87.847 ms
Loss rate: 1.16%

Run 7: Report of LEDBAT — Data Link

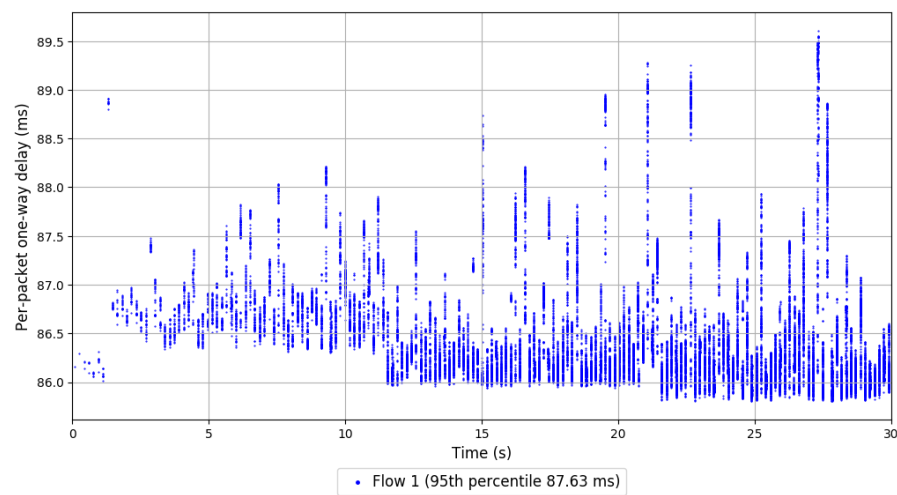
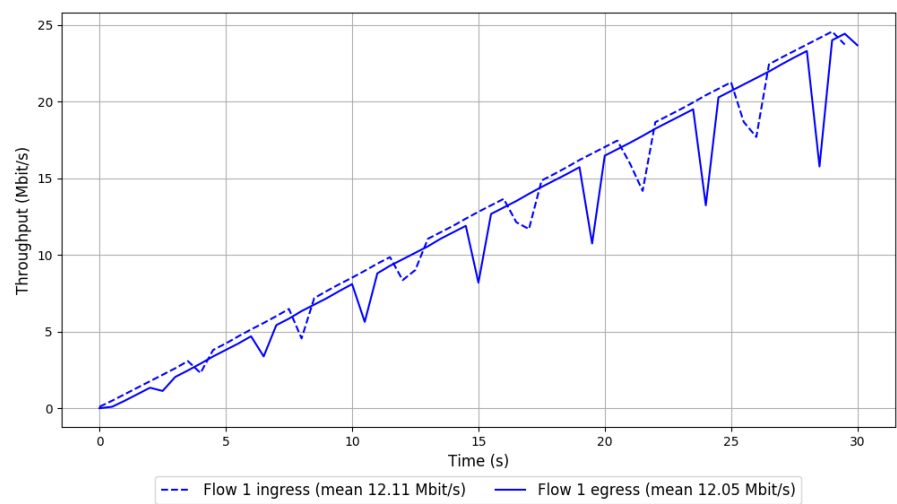


Run 8: Statistics of LEDBAT

Start at: 2018-08-01 14:57:47
End at: 2018-08-01 14:58:17
Local clock offset: 0.021 ms
Remote clock offset: -0.178 ms

Below is generated by plot.py at 2018-08-01 17:08:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 12.05 Mbit/s
95th percentile per-packet one-way delay: 87.628 ms
Loss rate: 1.14%
-- Flow 1:
Average throughput: 12.05 Mbit/s
95th percentile per-packet one-way delay: 87.628 ms
Loss rate: 1.14%

Run 8: Report of LEDBAT — Data Link

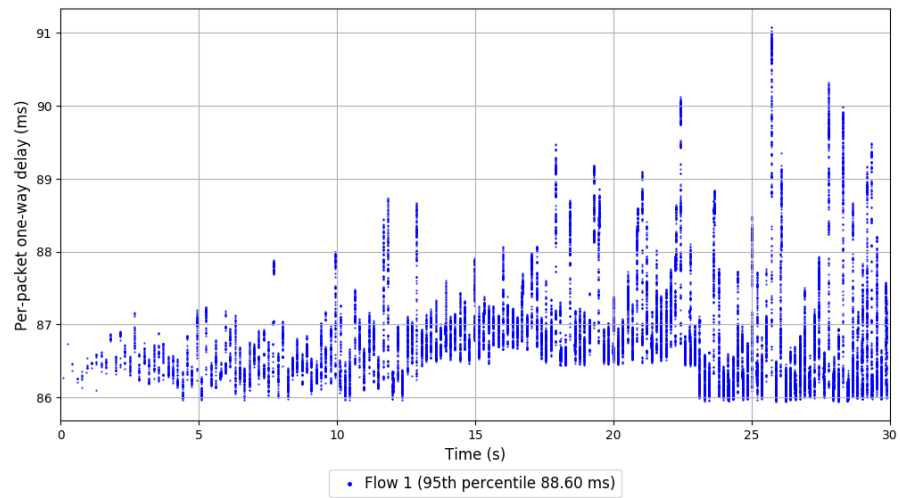
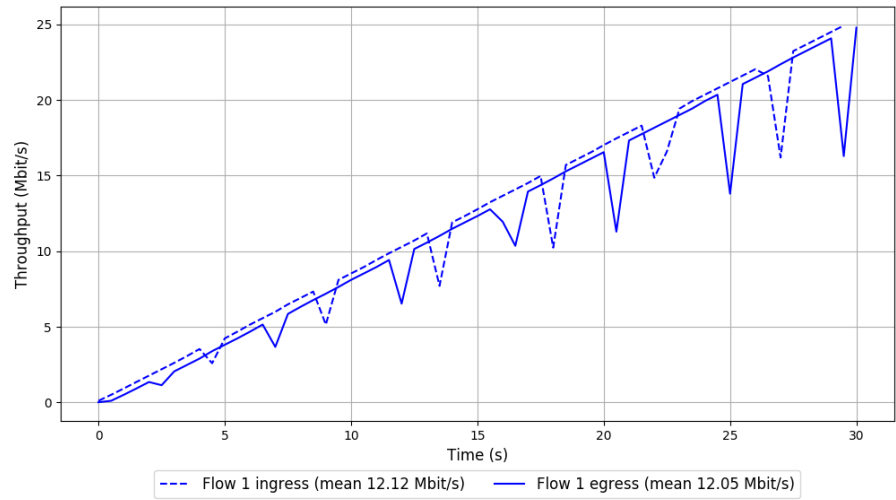


Run 9: Statistics of LEDBAT

Start at: 2018-08-01 15:19:56
End at: 2018-08-01 15:20:26
Local clock offset: 0.174 ms
Remote clock offset: -0.215 ms

Below is generated by plot.py at 2018-08-01 17:08:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 12.05 Mbit/s
95th percentile per-packet one-way delay: 88.598 ms
Loss rate: 1.15%
-- Flow 1:
Average throughput: 12.05 Mbit/s
95th percentile per-packet one-way delay: 88.598 ms
Loss rate: 1.15%

Run 9: Report of LEDBAT — Data Link

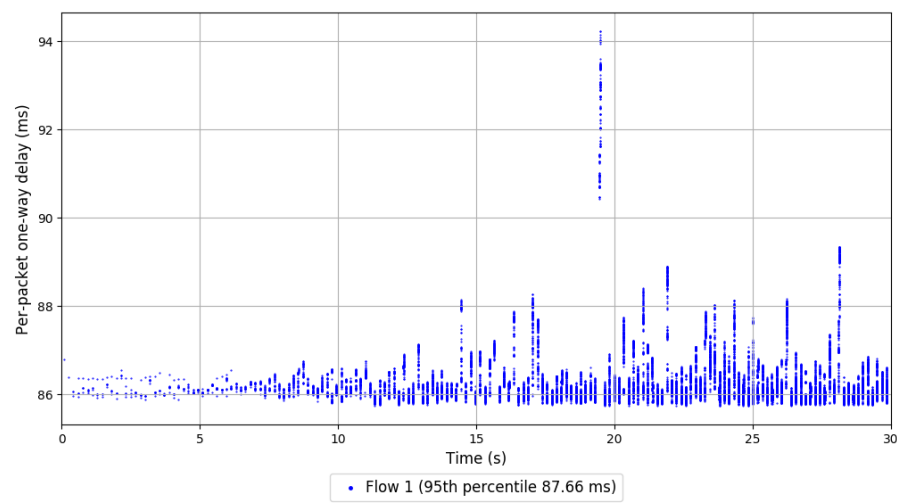
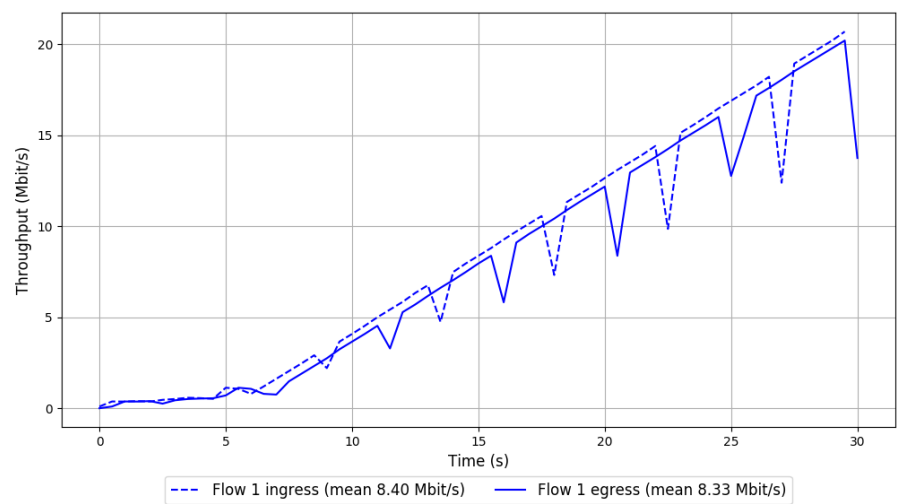


Run 10: Statistics of LEDBAT

Start at: 2018-08-01 15:41:53
End at: 2018-08-01 15:42:23
Local clock offset: -0.092 ms
Remote clock offset: -0.048 ms

Below is generated by plot.py at 2018-08-01 17:08:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 8.33 Mbit/s
95th percentile per-packet one-way delay: 87.663 ms
Loss rate: 1.38%
-- Flow 1:
Average throughput: 8.33 Mbit/s
95th percentile per-packet one-way delay: 87.663 ms
Loss rate: 1.38%

Run 10: Report of LEDBAT — Data Link

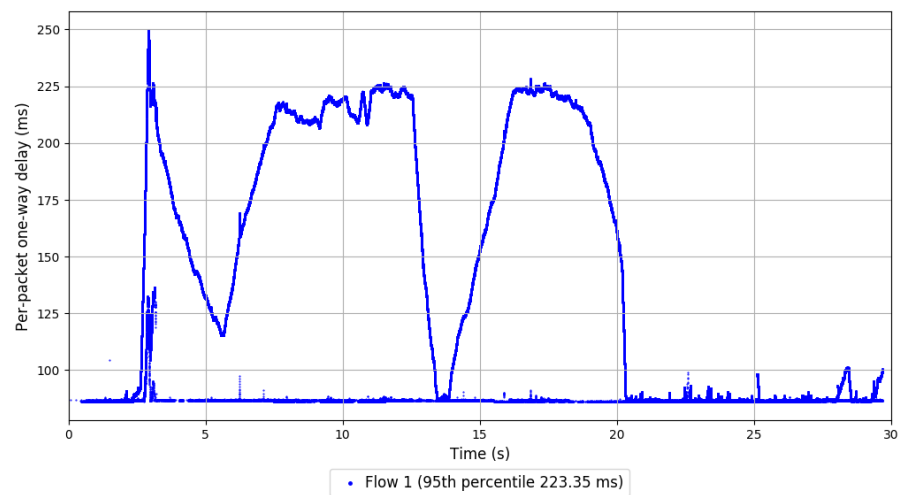
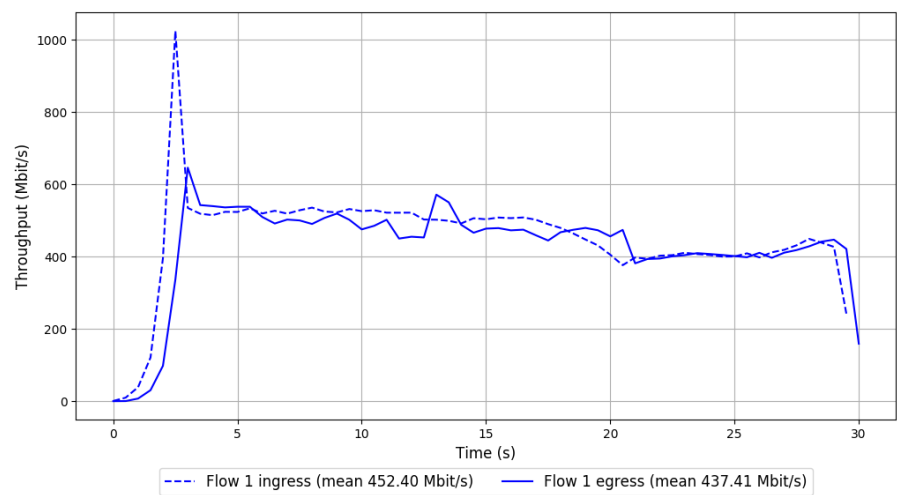


```
Run 1: Statistics of PCC-Allegro

Start at: 2018-08-01 12:16:37
End at: 2018-08-01 12:17:07
Local clock offset: -0.015 ms
Remote clock offset: -0.096 ms

# Below is generated by plot.py at 2018-08-01 17:08:29
# Datalink statistics
-- Total of 1 flow:
Average throughput: 437.41 Mbit/s
95th percentile per-packet one-way delay: 223.348 ms
Loss rate: 3.88%
-- Flow 1:
Average throughput: 437.41 Mbit/s
95th percentile per-packet one-way delay: 223.348 ms
Loss rate: 3.88%
```

Run 1: Report of PCC-Allegro — Data Link

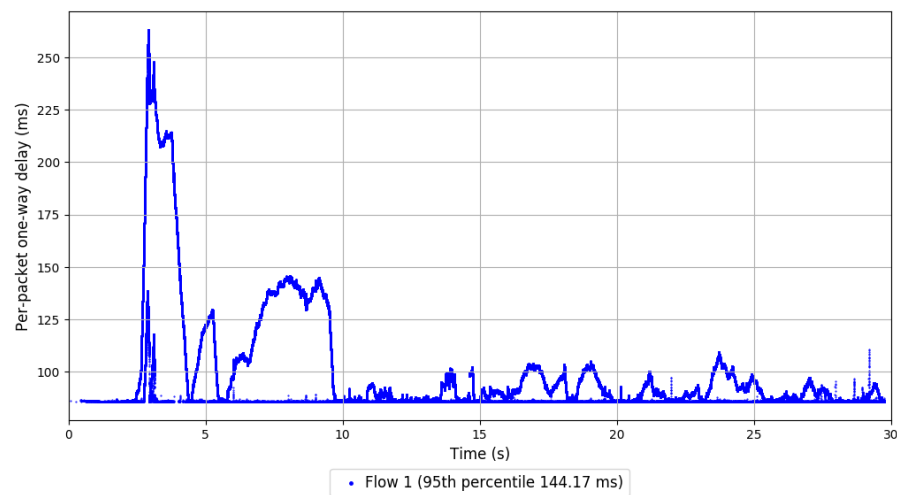
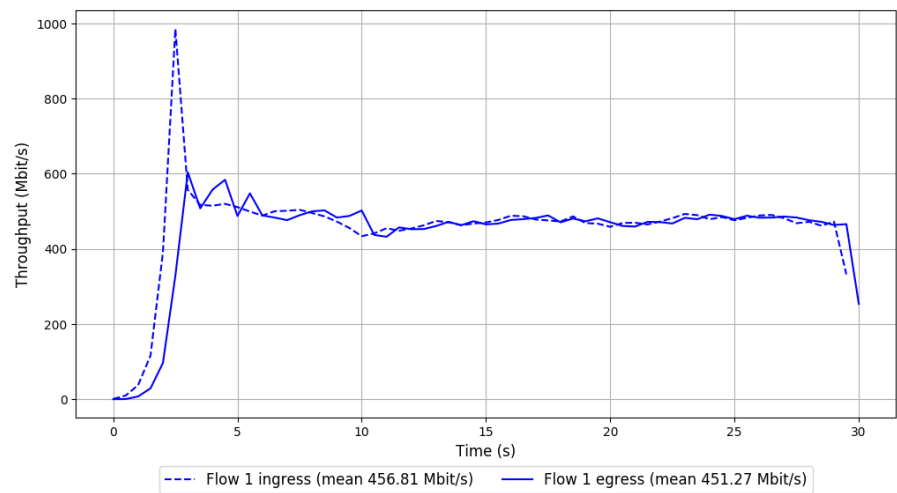


Run 2: Statistics of PCC-Allegro

Start at: 2018-08-01 12:38:48
End at: 2018-08-01 12:39:18
Local clock offset: -0.071 ms
Remote clock offset: -0.136 ms

Below is generated by plot.py at 2018-08-01 17:08:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 451.27 Mbit/s
95th percentile per-packet one-way delay: 144.168 ms
Loss rate: 1.78%
-- Flow 1:
Average throughput: 451.27 Mbit/s
95th percentile per-packet one-way delay: 144.168 ms
Loss rate: 1.78%

Run 2: Report of PCC-Allegro — Data Link



Run 3: Statistics of PCC-Allegro

Start at: 2018-08-01 13:01:06

End at: 2018-08-01 13:01:36

Local clock offset: 0.115 ms

Remote clock offset: -0.04 ms

Below is generated by plot.py at 2018-08-01 17:08:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 362.01 Mbit/s

95th percentile per-packet one-way delay: 111.635 ms

Loss rate: 0.76%

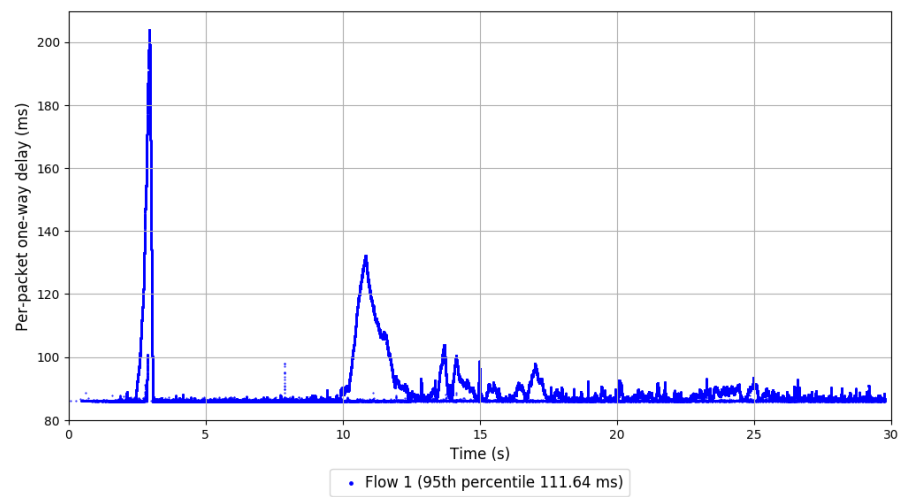
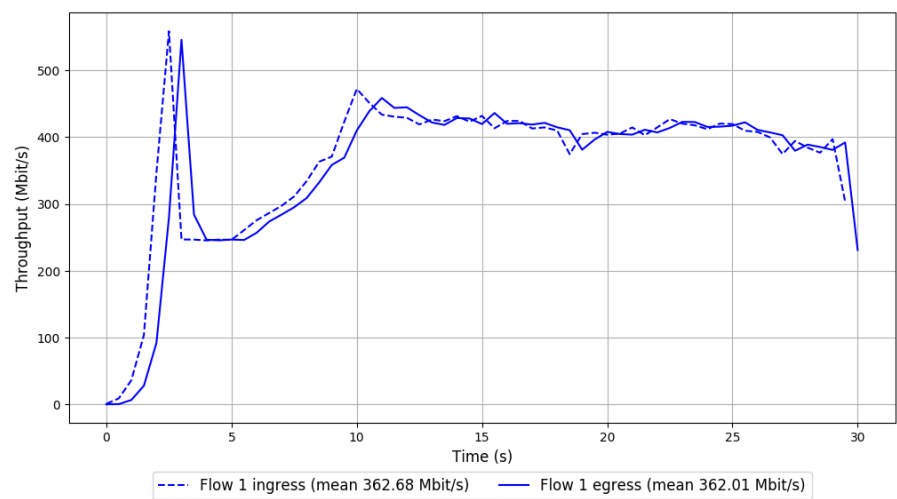
-- Flow 1:

Average throughput: 362.01 Mbit/s

95th percentile per-packet one-way delay: 111.635 ms

Loss rate: 0.76%

Run 3: Report of PCC-Allegro — Data Link



Run 4: Statistics of PCC-Allegro

Start at: 2018-08-01 13:23:06

End at: 2018-08-01 13:23:36

Local clock offset: 0.253 ms

Remote clock offset: -0.051 ms

Below is generated by plot.py at 2018-08-01 17:08:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 366.16 Mbit/s

95th percentile per-packet one-way delay: 116.072 ms

Loss rate: 0.63%

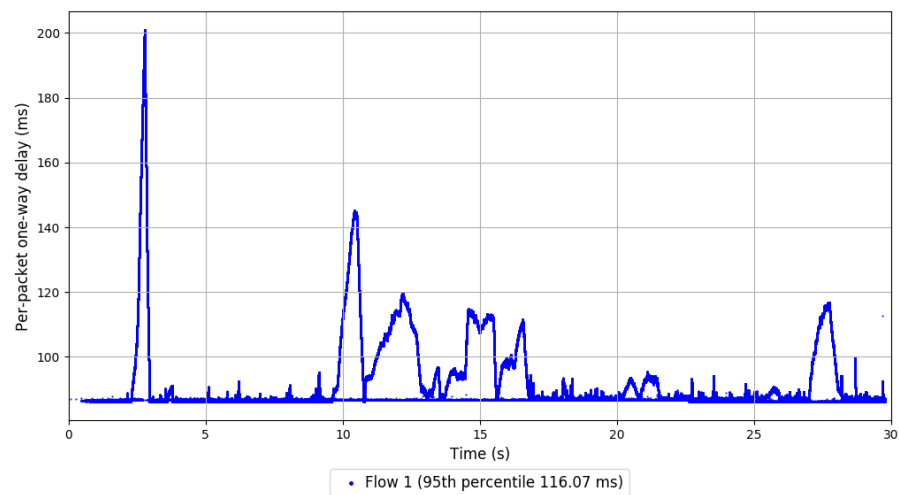
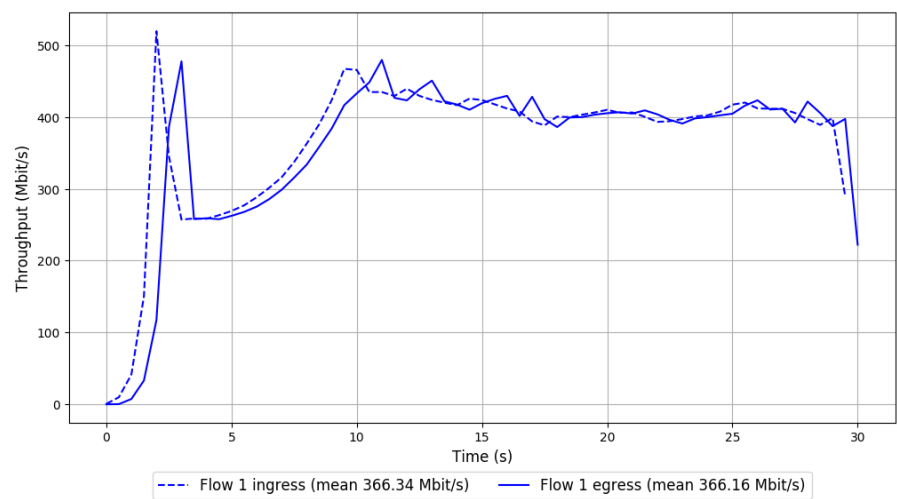
-- Flow 1:

Average throughput: 366.16 Mbit/s

95th percentile per-packet one-way delay: 116.072 ms

Loss rate: 0.63%

Run 4: Report of PCC-Allegro — Data Link

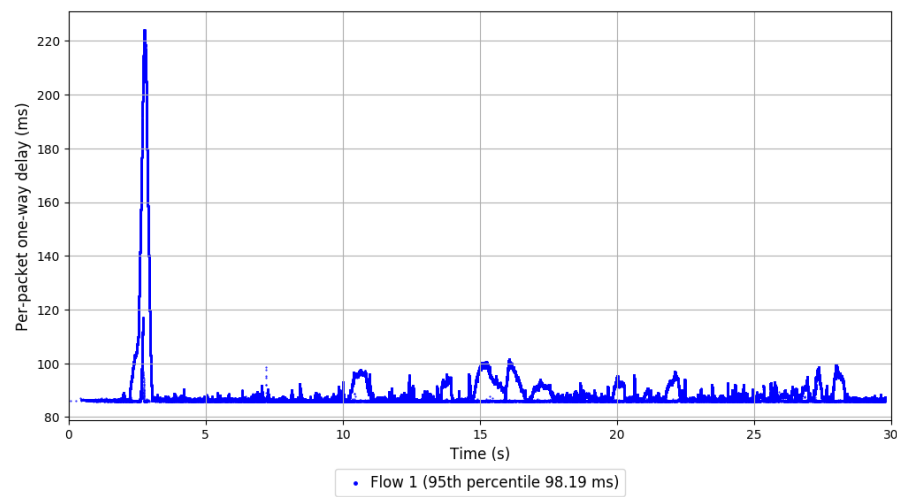
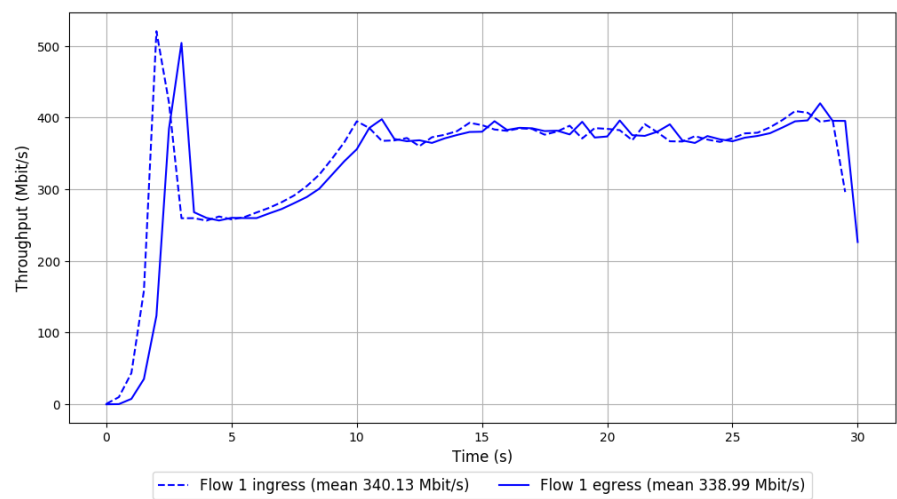


Run 5: Statistics of PCC-Allegro

Start at: 2018-08-01 13:45:21
End at: 2018-08-01 13:45:51
Local clock offset: -0.094 ms
Remote clock offset: -0.088 ms

Below is generated by plot.py at 2018-08-01 17:08:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 338.99 Mbit/s
95th percentile per-packet one-way delay: 98.193 ms
Loss rate: 0.91%
-- Flow 1:
Average throughput: 338.99 Mbit/s
95th percentile per-packet one-way delay: 98.193 ms
Loss rate: 0.91%

Run 5: Report of PCC-Allegro — Data Link



Run 6: Statistics of PCC-Allegro

Start at: 2018-08-01 14:07:48

End at: 2018-08-01 14:08:18

Local clock offset: 0.188 ms

Remote clock offset: -0.078 ms

Below is generated by plot.py at 2018-08-01 17:08:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 350.04 Mbit/s

95th percentile per-packet one-way delay: 163.531 ms

Loss rate: 1.14%

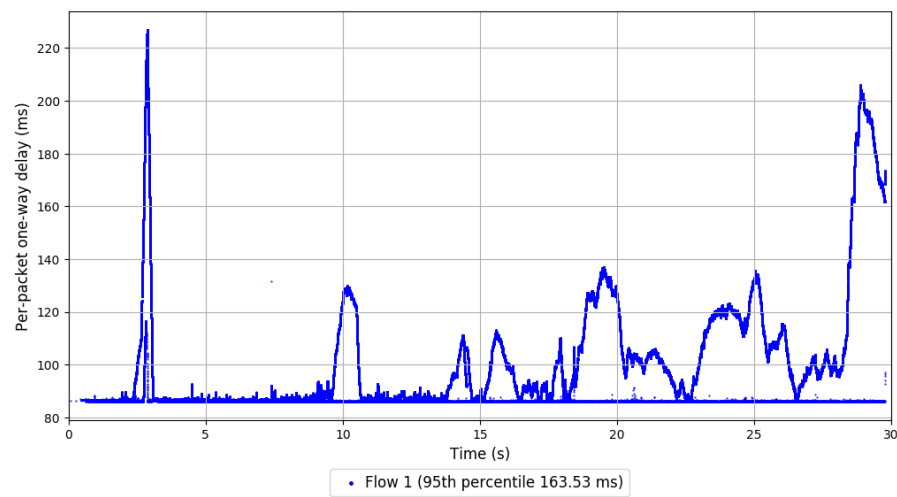
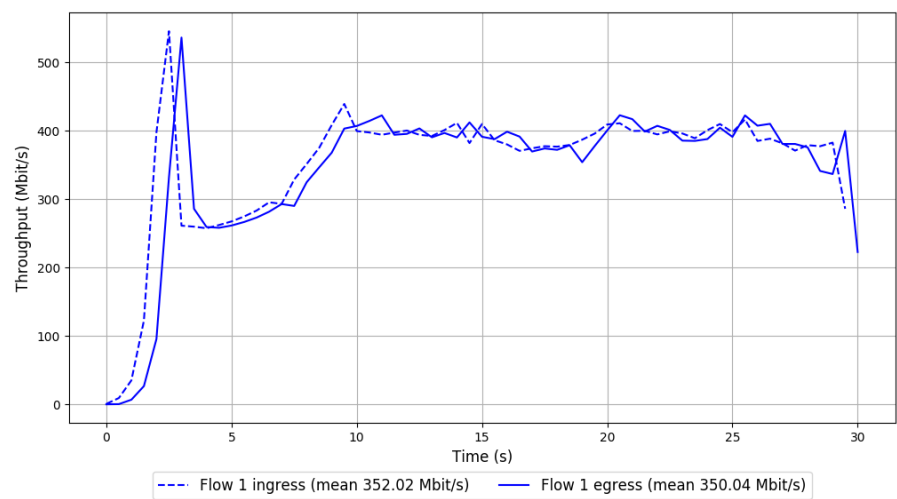
-- Flow 1:

Average throughput: 350.04 Mbit/s

95th percentile per-packet one-way delay: 163.531 ms

Loss rate: 1.14%

Run 6: Report of PCC-Allegro — Data Link

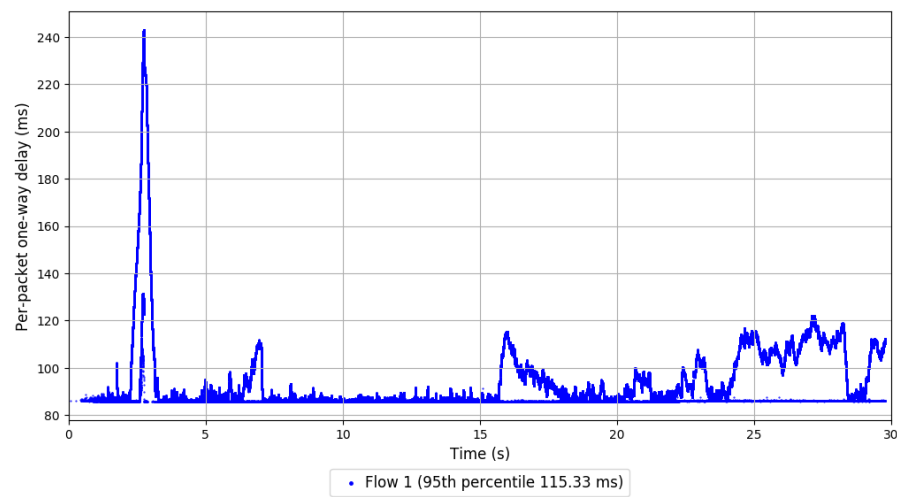
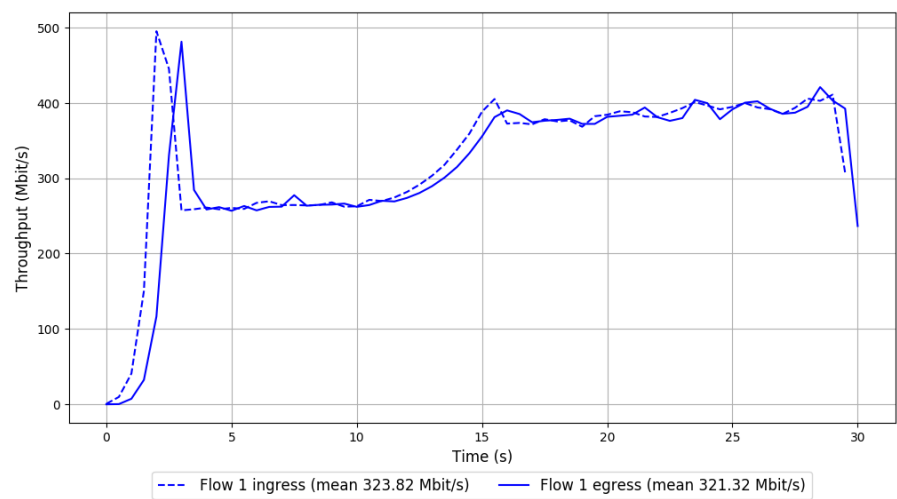


Run 7: Statistics of PCC-Allegro

Start at: 2018-08-01 14:30:00
End at: 2018-08-01 14:30:30
Local clock offset: -0.028 ms
Remote clock offset: -0.101 ms

Below is generated by plot.py at 2018-08-01 17:09:38
Datalink statistics
-- Total of 1 flow:
Average throughput: 321.32 Mbit/s
95th percentile per-packet one-way delay: 115.331 ms
Loss rate: 1.35%
-- Flow 1:
Average throughput: 321.32 Mbit/s
95th percentile per-packet one-way delay: 115.331 ms
Loss rate: 1.35%

Run 7: Report of PCC-Allegro — Data Link



Run 8: Statistics of PCC-Allegro

Start at: 2018-08-01 14:52:14

End at: 2018-08-01 14:52:44

Local clock offset: -0.047 ms

Remote clock offset: -0.136 ms

Below is generated by plot.py at 2018-08-01 17:11:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 353.80 Mbit/s

95th percentile per-packet one-way delay: 108.087 ms

Loss rate: 0.75%

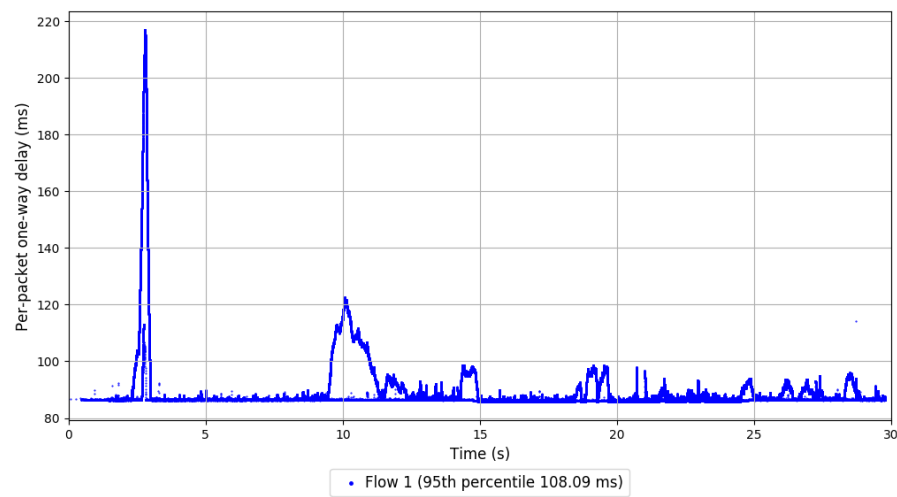
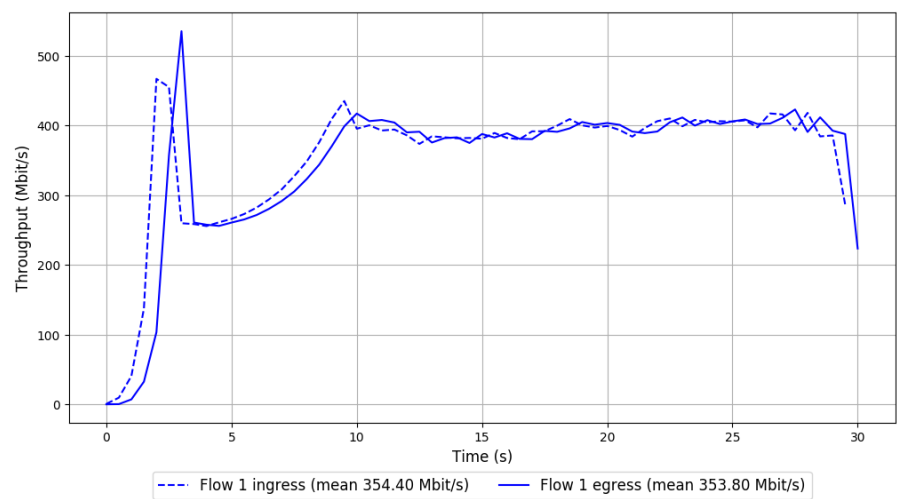
-- Flow 1:

Average throughput: 353.80 Mbit/s

95th percentile per-packet one-way delay: 108.087 ms

Loss rate: 0.75%

Run 8: Report of PCC-Allegro — Data Link



Run 9: Statistics of PCC-Allegro

Start at: 2018-08-01 15:14:22

End at: 2018-08-01 15:14:52

Local clock offset: 0.23 ms

Remote clock offset: -0.158 ms

Below is generated by plot.py at 2018-08-01 17:11:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 344.45 Mbit/s

95th percentile per-packet one-way delay: 120.878 ms

Loss rate: 1.03%

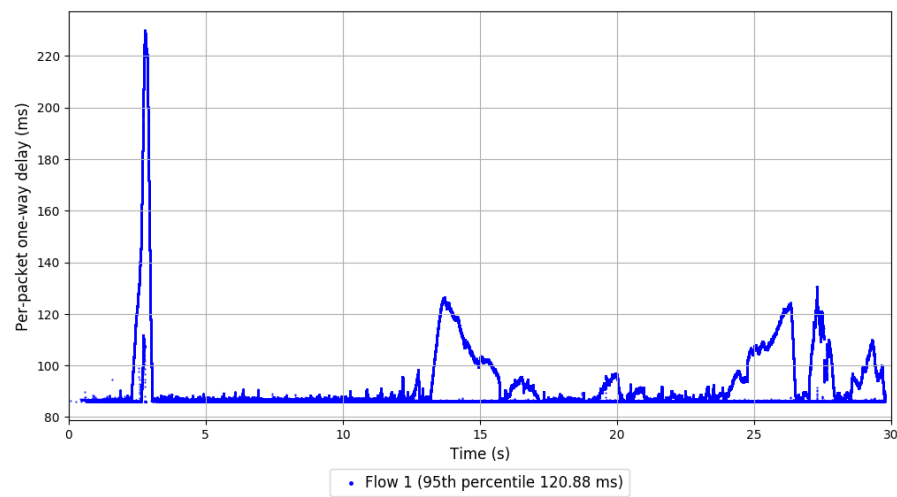
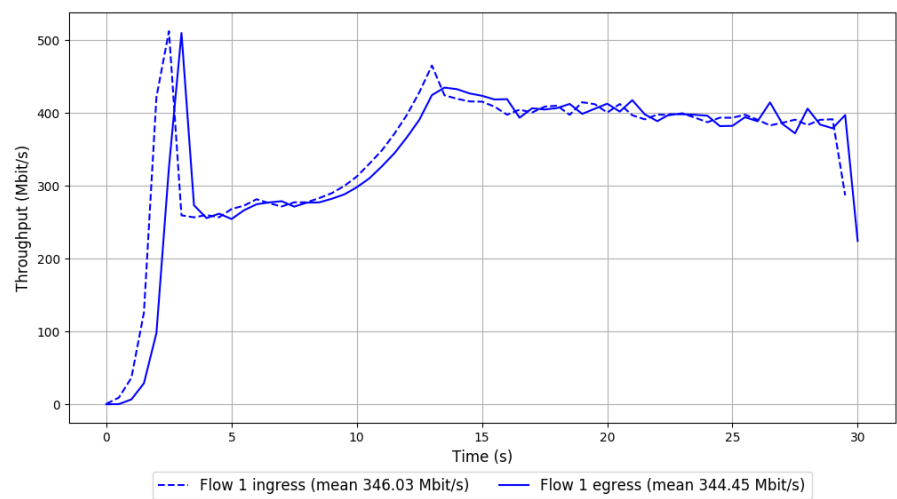
-- Flow 1:

Average throughput: 344.45 Mbit/s

95th percentile per-packet one-way delay: 120.878 ms

Loss rate: 1.03%

Run 9: Report of PCC-Allegro — Data Link

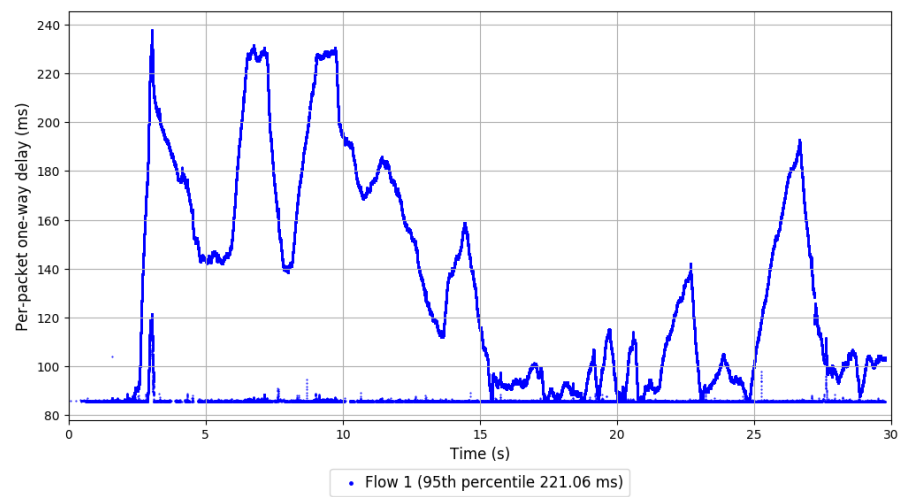
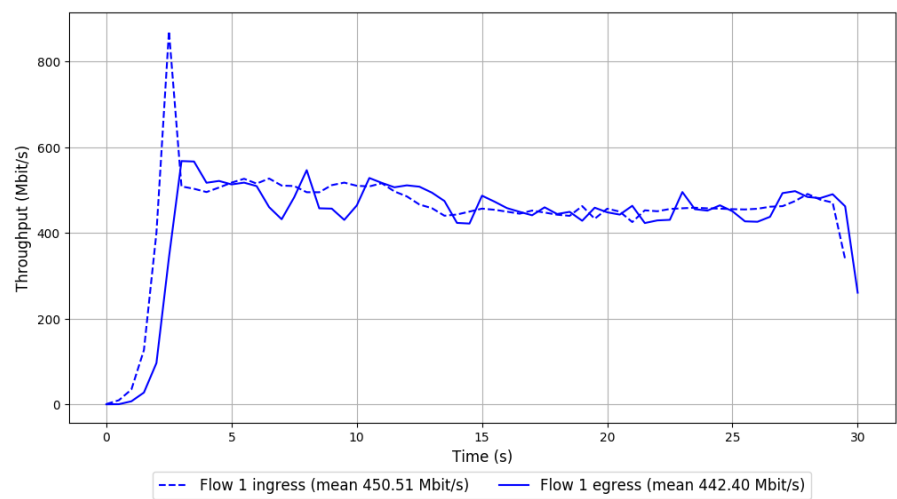


Run 10: Statistics of PCC-Allegro

Start at: 2018-08-01 15:36:15
End at: 2018-08-01 15:36:45
Local clock offset: -0.178 ms
Remote clock offset: -0.011 ms

Below is generated by plot.py at 2018-08-01 17:12:25
Datalink statistics
-- Total of 1 flow:
Average throughput: 442.40 Mbit/s
95th percentile per-packet one-way delay: 221.055 ms
Loss rate: 2.37%
-- Flow 1:
Average throughput: 442.40 Mbit/s
95th percentile per-packet one-way delay: 221.055 ms
Loss rate: 2.37%

Run 10: Report of PCC-Allegro — Data Link

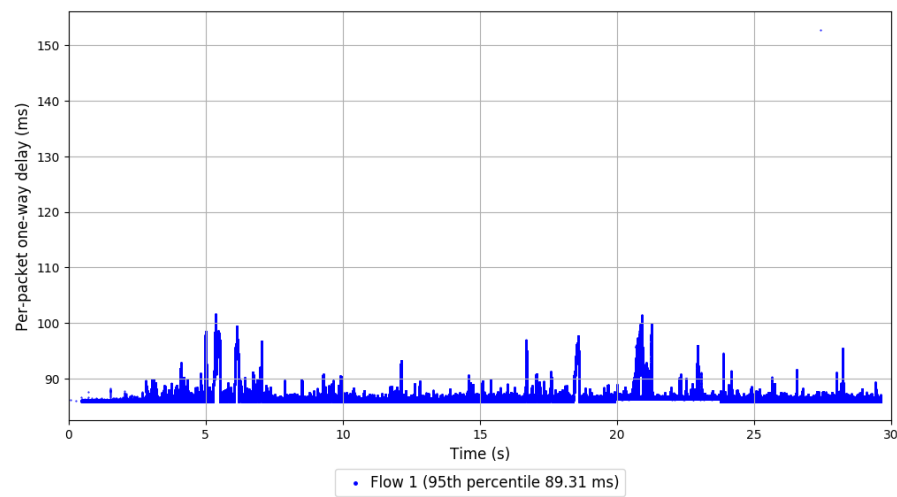
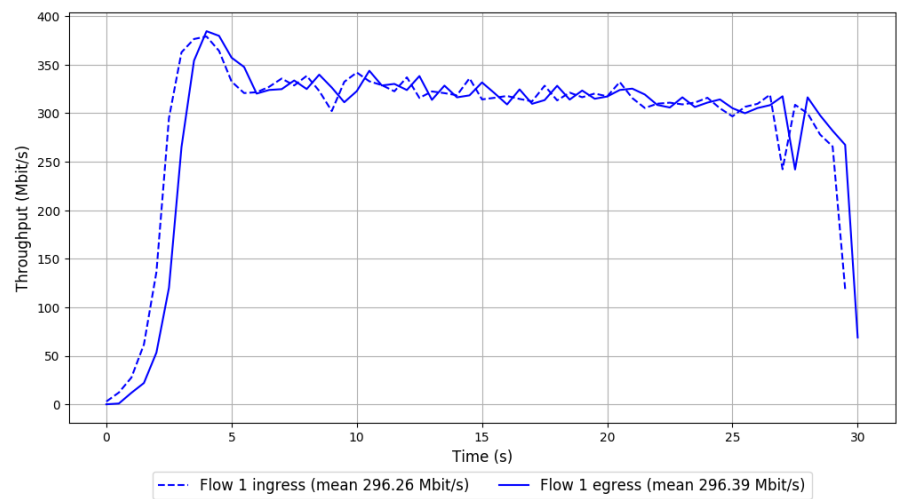


```
Run 1: Statistics of PCC-Expr

Start at: 2018-08-01 12:30:19
End at: 2018-08-01 12:30:49
Local clock offset: 0.031 ms
Remote clock offset: -0.145 ms

# Below is generated by plot.py at 2018-08-01 17:16:21
# Datalink statistics
-- Total of 1 flow:
Average throughput: 296.39 Mbit/s
95th percentile per-packet one-way delay: 89.305 ms
Loss rate: 0.54%
-- Flow 1:
Average throughput: 296.39 Mbit/s
95th percentile per-packet one-way delay: 89.305 ms
Loss rate: 0.54%
```


Run 1: Report of PCC-Expr — Data Link

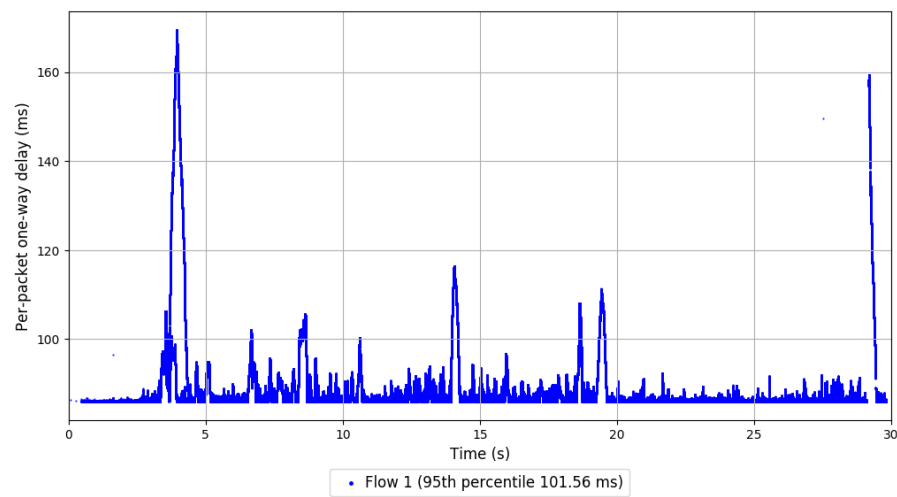
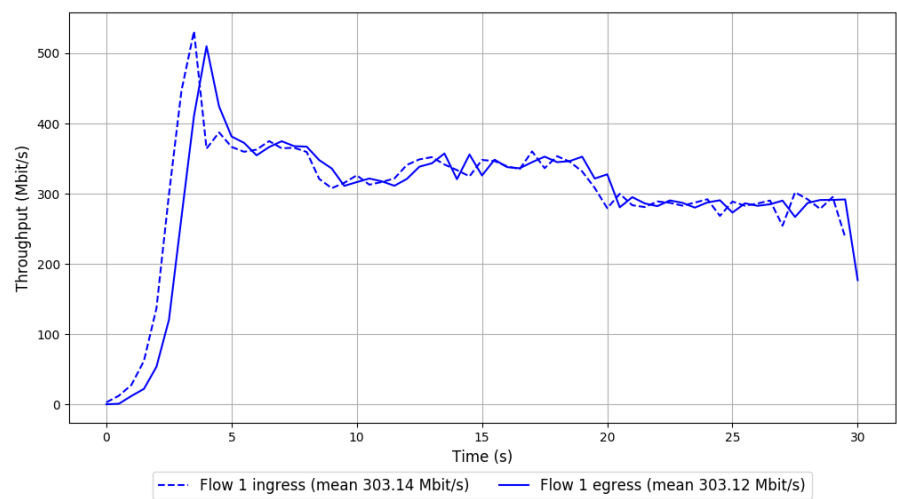


Run 2: Statistics of PCC-Expr

Start at: 2018-08-01 12:52:30
End at: 2018-08-01 12:53:00
Local clock offset: 0.162 ms
Remote clock offset: -0.076 ms

Below is generated by plot.py at 2018-08-01 17:16:38
Datalink statistics
-- Total of 1 flow:
Average throughput: 303.12 Mbit/s
95th percentile per-packet one-way delay: 101.559 ms
Loss rate: 0.58%
-- Flow 1:
Average throughput: 303.12 Mbit/s
95th percentile per-packet one-way delay: 101.559 ms
Loss rate: 0.58%

Run 2: Report of PCC-Expr — Data Link

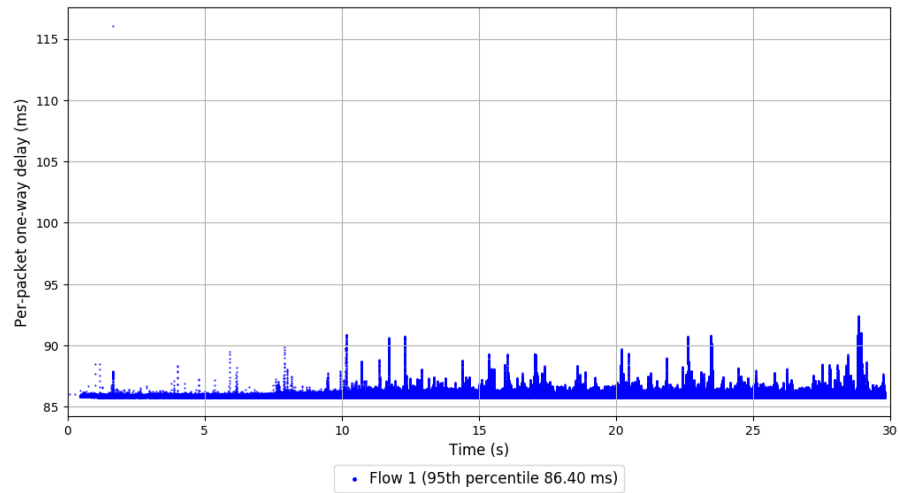
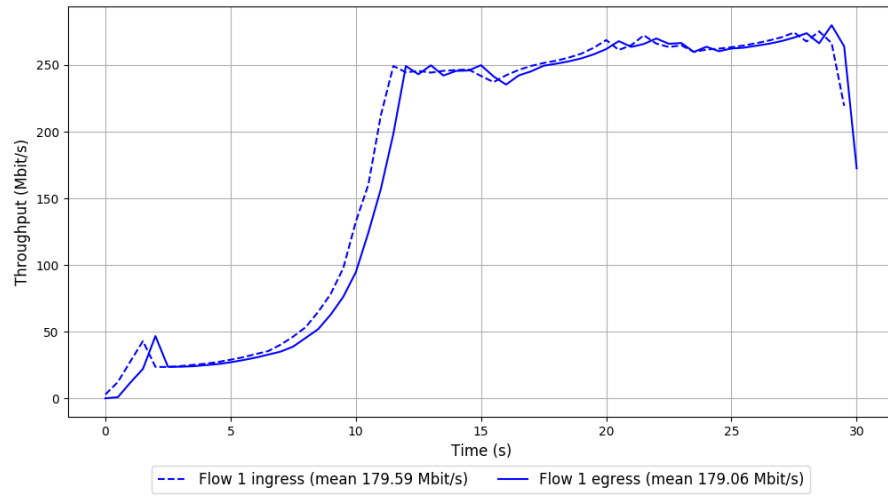


Run 3: Statistics of PCC-Expr

Start at: 2018-08-01 13:14:31
End at: 2018-08-01 13:15:01
Local clock offset: 0.046 ms
Remote clock offset: -0.059 ms

Below is generated by plot.py at 2018-08-01 17:16:38
Datalink statistics
-- Total of 1 flow:
Average throughput: 179.06 Mbit/s
95th percentile per-packet one-way delay: 86.400 ms
Loss rate: 0.87%
-- Flow 1:
Average throughput: 179.06 Mbit/s
95th percentile per-packet one-way delay: 86.400 ms
Loss rate: 0.87%

Run 3: Report of PCC-Expr — Data Link

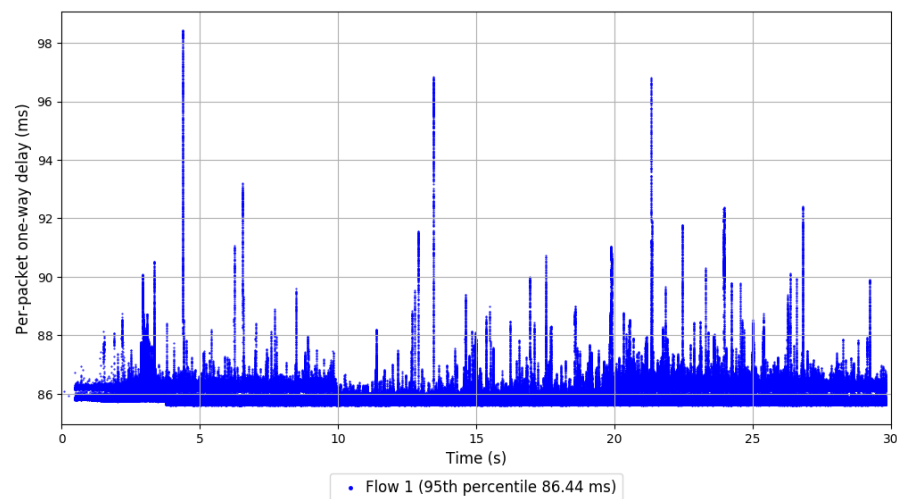
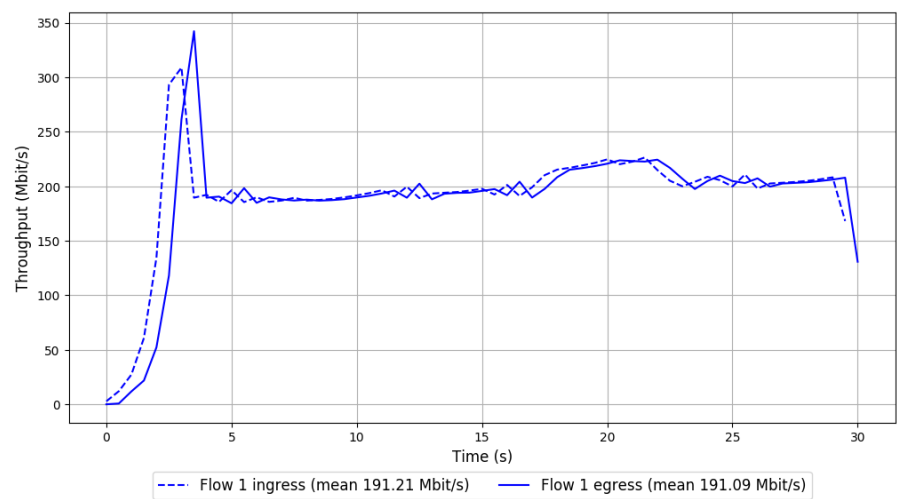


Run 4: Statistics of PCC-Expr

Start at: 2018-08-01 13:36:49
End at: 2018-08-01 13:37:19
Local clock offset: -0.159 ms
Remote clock offset: -0.083 ms

Below is generated by plot.py at 2018-08-01 17:16:38
Datalink statistics
-- Total of 1 flow:
Average throughput: 191.09 Mbit/s
95th percentile per-packet one-way delay: 86.440 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 191.09 Mbit/s
95th percentile per-packet one-way delay: 86.440 ms
Loss rate: 0.64%

Run 4: Report of PCC-Expr — Data Link

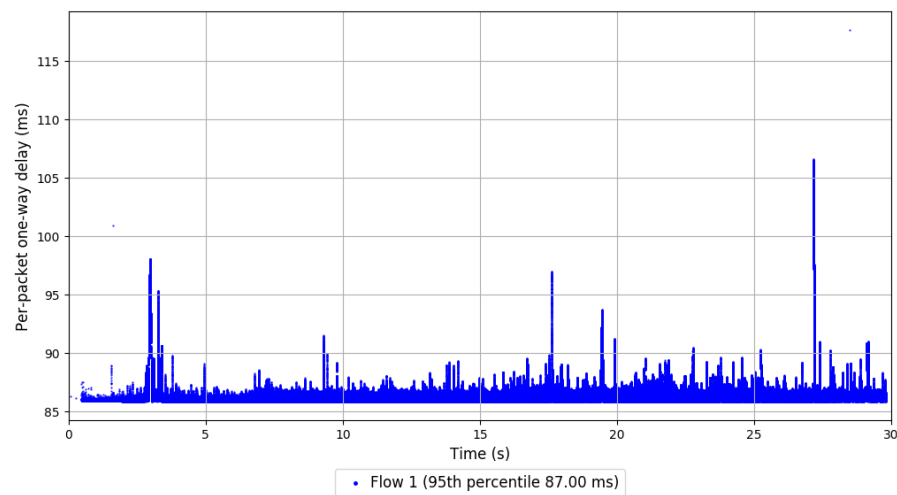
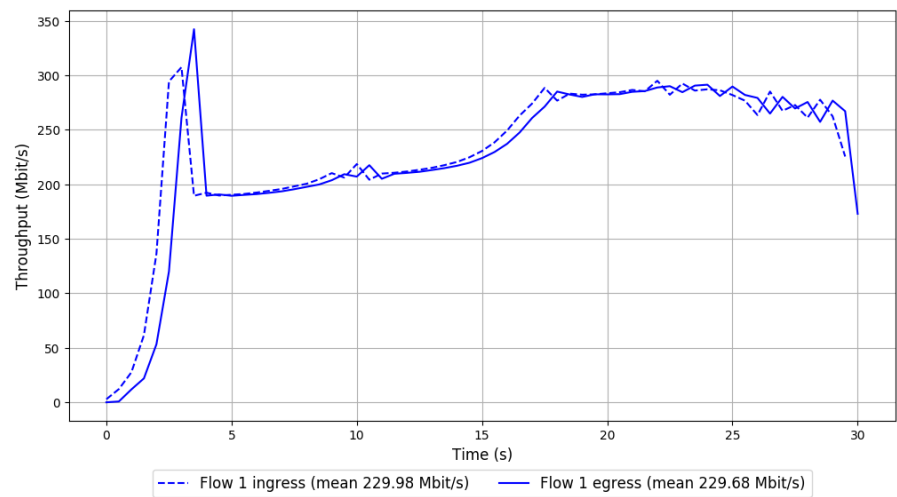


Run 5: Statistics of PCC-Expr

Start at: 2018-08-01 13:59:12
End at: 2018-08-01 13:59:42
Local clock offset: 0.086 ms
Remote clock offset: -0.079 ms

Below is generated by plot.py at 2018-08-01 17:17:16
Datalink statistics
-- Total of 1 flow:
Average throughput: 229.68 Mbit/s
95th percentile per-packet one-way delay: 86.999 ms
Loss rate: 0.71%
-- Flow 1:
Average throughput: 229.68 Mbit/s
95th percentile per-packet one-way delay: 86.999 ms
Loss rate: 0.71%

Run 5: Report of PCC-Expr — Data Link

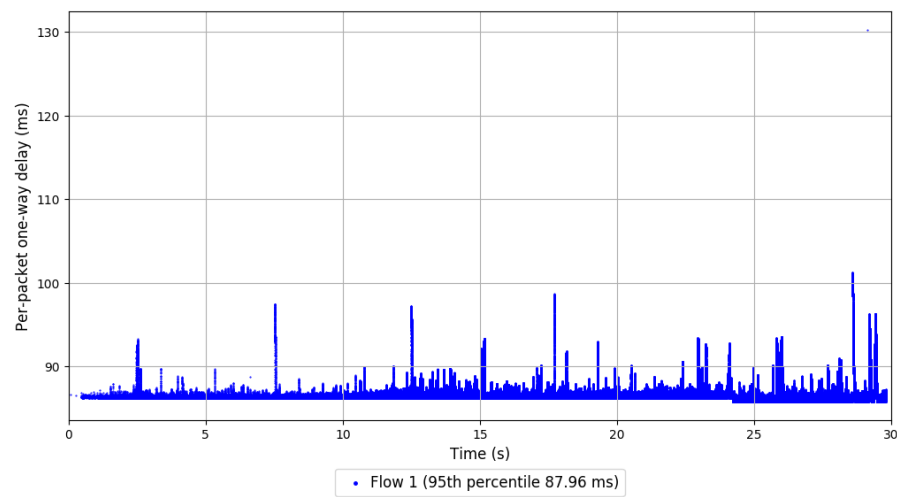
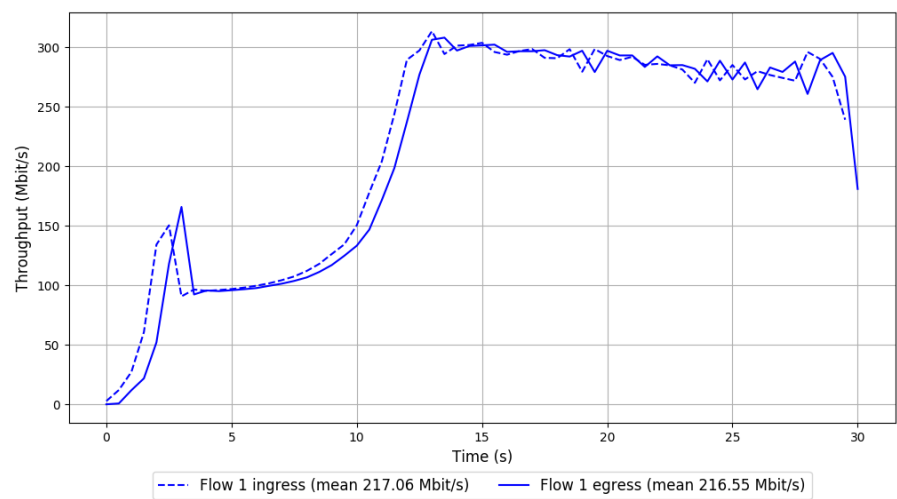


Run 6: Statistics of PCC-Expr

Start at: 2018-08-01 14:21:24
End at: 2018-08-01 14:21:55
Local clock offset: -0.007 ms
Remote clock offset: -0.098 ms

Below is generated by plot.py at 2018-08-01 17:18:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 216.55 Mbit/s
95th percentile per-packet one-way delay: 87.963 ms
Loss rate: 0.81%
-- Flow 1:
Average throughput: 216.55 Mbit/s
95th percentile per-packet one-way delay: 87.963 ms
Loss rate: 0.81%

Run 6: Report of PCC-Expr — Data Link

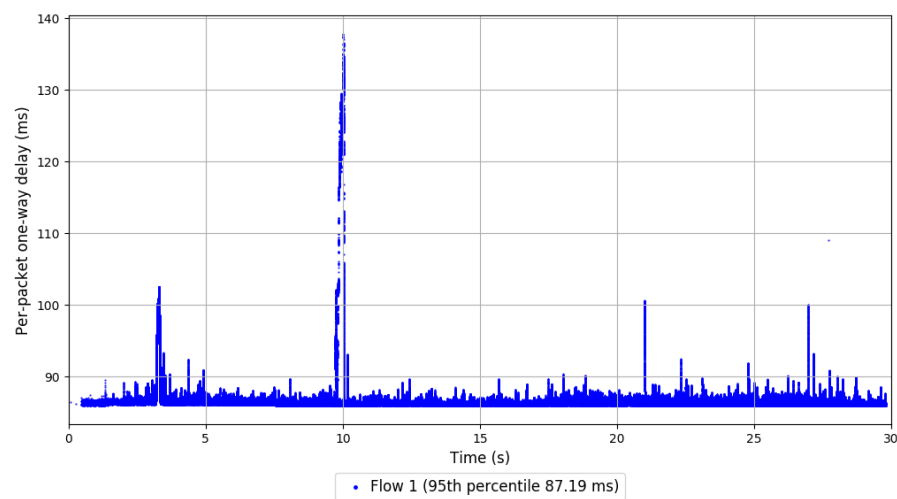
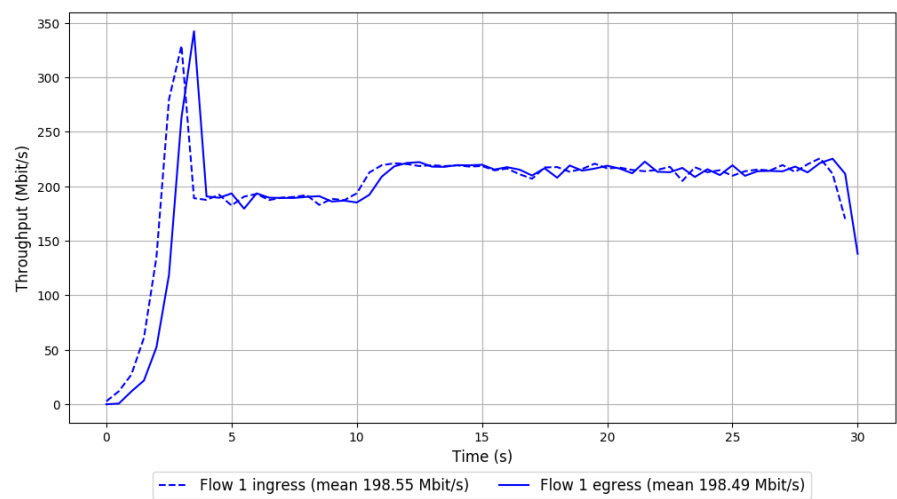


Run 7: Statistics of PCC-Expr

Start at: 2018-08-01 14:43:41
End at: 2018-08-01 14:44:11
Local clock offset: 0.172 ms
Remote clock offset: -0.093 ms

Below is generated by plot.py at 2018-08-01 17:18:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 198.49 Mbit/s
95th percentile per-packet one-way delay: 87.185 ms
Loss rate: 0.61%
-- Flow 1:
Average throughput: 198.49 Mbit/s
95th percentile per-packet one-way delay: 87.185 ms
Loss rate: 0.61%

Run 7: Report of PCC-Expr — Data Link

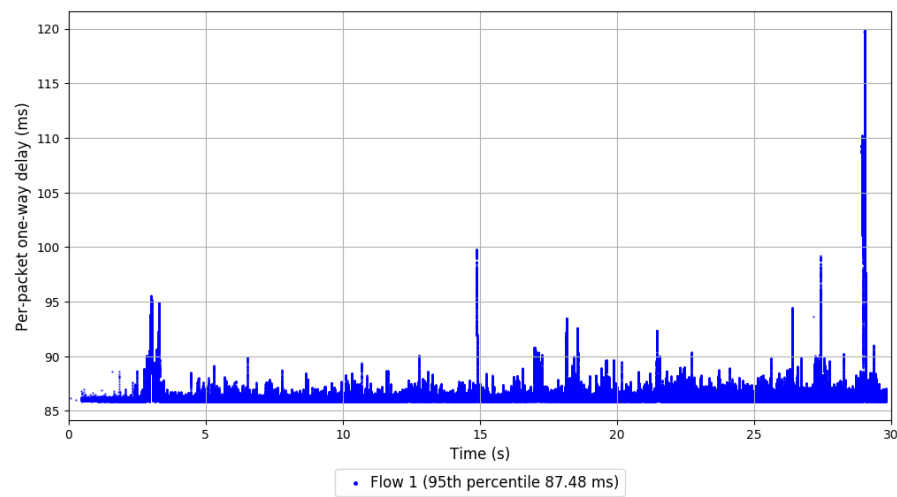
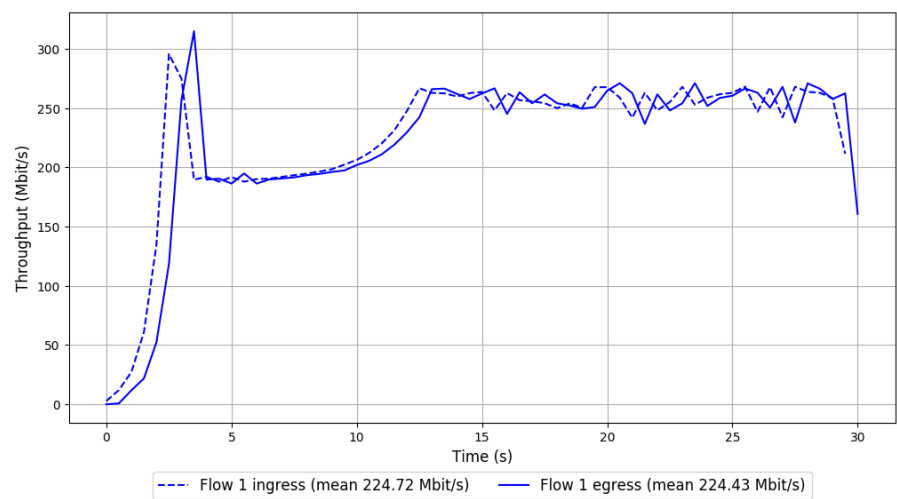


Run 8: Statistics of PCC-Expr

Start at: 2018-08-01 15:05:47
End at: 2018-08-01 15:06:17
Local clock offset: 0.136 ms
Remote clock offset: -0.144 ms

Below is generated by plot.py at 2018-08-01 17:20:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 224.43 Mbit/s
95th percentile per-packet one-way delay: 87.485 ms
Loss rate: 0.70%
-- Flow 1:
Average throughput: 224.43 Mbit/s
95th percentile per-packet one-way delay: 87.485 ms
Loss rate: 0.70%

Run 8: Report of PCC-Expr — Data Link

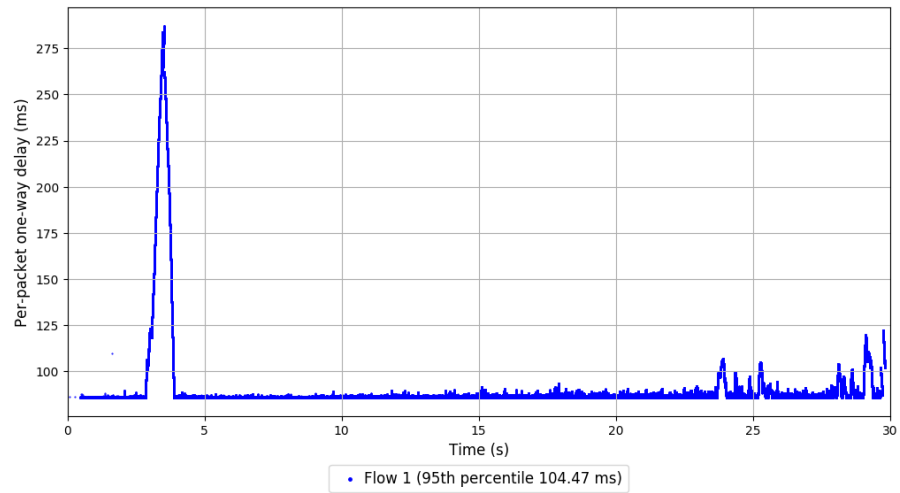
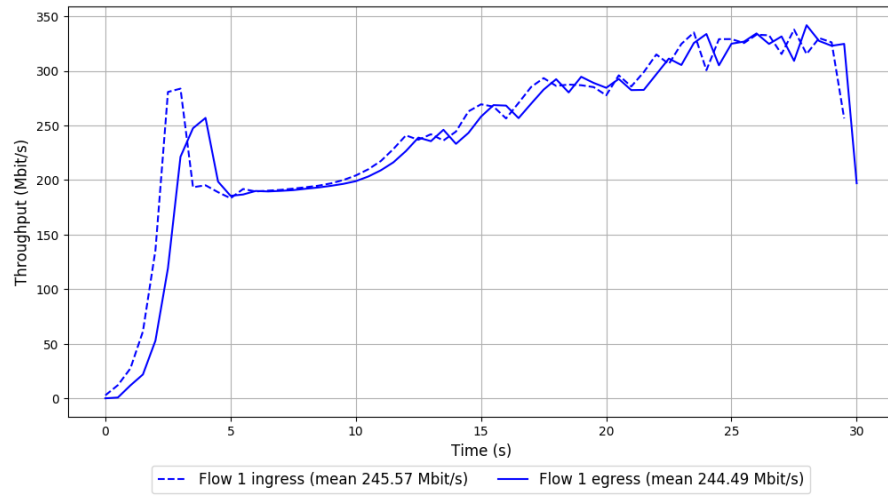


Run 9: Statistics of PCC-Expr

Start at: 2018-08-01 15:27:39
End at: 2018-08-01 15:28:09
Local clock offset: -0.039 ms
Remote clock offset: -0.126 ms

Below is generated by plot.py at 2018-08-01 17:21:42
Datalink statistics
-- Total of 1 flow:
Average throughput: 244.49 Mbit/s
95th percentile per-packet one-way delay: 104.468 ms
Loss rate: 1.02%
-- Flow 1:
Average throughput: 244.49 Mbit/s
95th percentile per-packet one-way delay: 104.468 ms
Loss rate: 1.02%

Run 9: Report of PCC-Expr — Data Link



Run 10: Statistics of PCC-Expr

Start at: 2018-08-01 15:49:59

End at: 2018-08-01 15:50:29

Local clock offset: 0.016 ms

Remote clock offset: 0.033 ms

Below is generated by plot.py at 2018-08-01 17:23:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 257.62 Mbit/s

95th percentile per-packet one-way delay: 91.030 ms

Loss rate: 0.70%

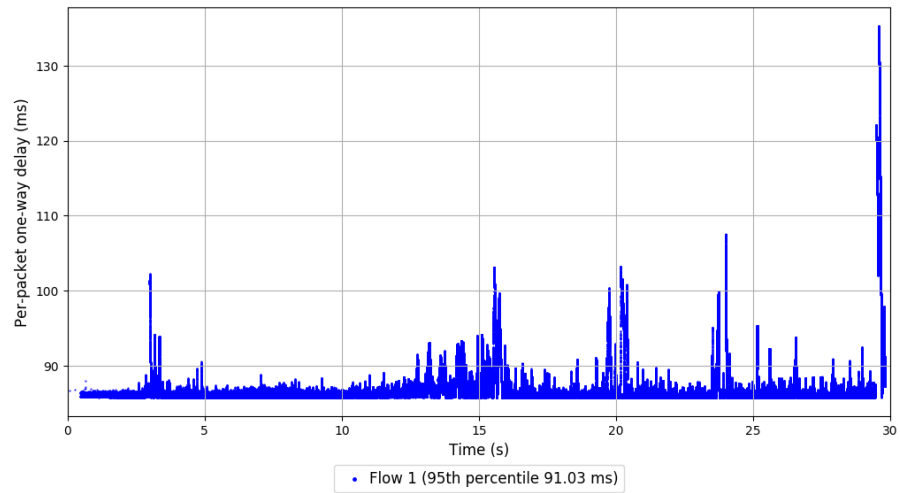
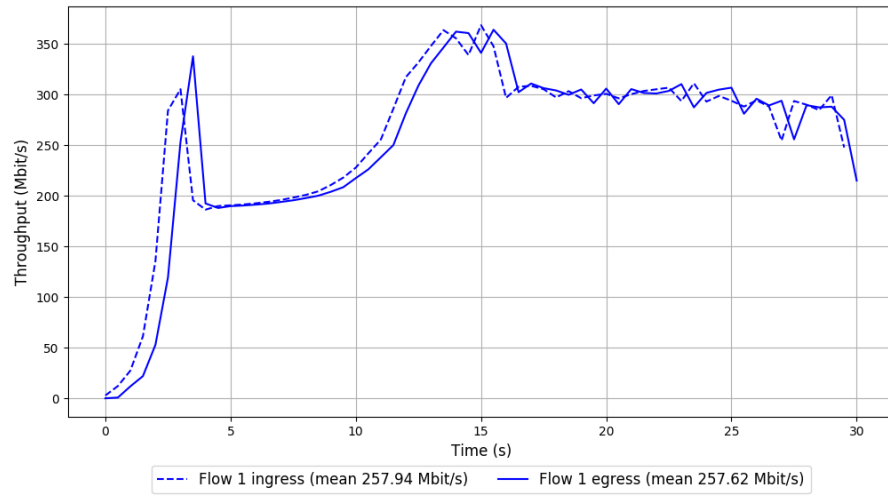
-- Flow 1:

Average throughput: 257.62 Mbit/s

95th percentile per-packet one-way delay: 91.030 ms

Loss rate: 0.70%

Run 10: Report of PCC-Expr — Data Link



Run 1: Statistics of QUIC Cubic

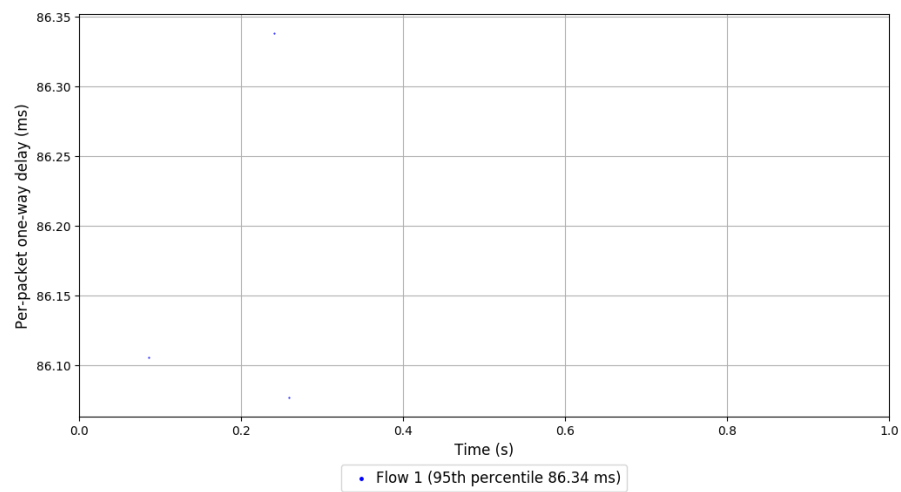
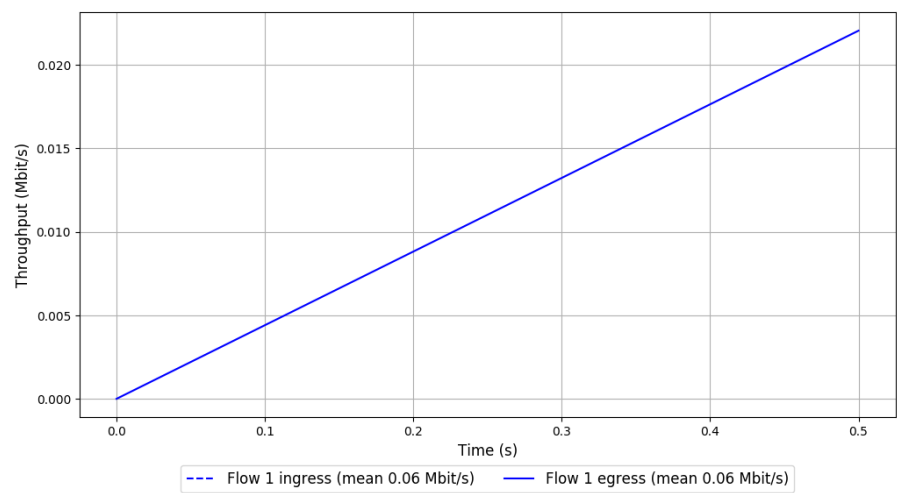
Start at: 2018-08-01 12:27:49

End at: 2018-08-01 12:28:19

Local clock offset: 0.033 ms

Remote clock offset: -0.097 ms

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

Start at: 2018-08-01 12:49:58

End at: 2018-08-01 12:50:28

Local clock offset: 0.254 ms

Remote clock offset: -0.051 ms

Below is generated by plot.py at 2018-08-01 17:23:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 53.47 Mbit/s

95th percentile per-packet one-way delay: 86.604 ms

Loss rate: 0.81%

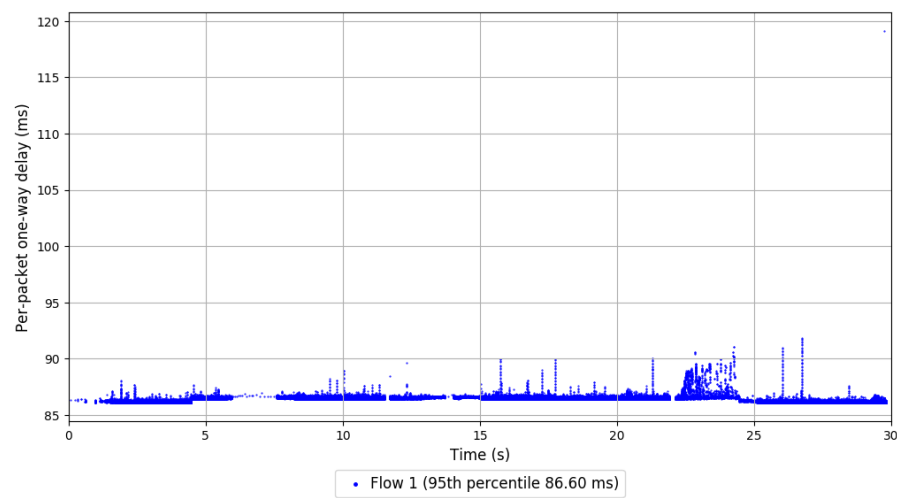
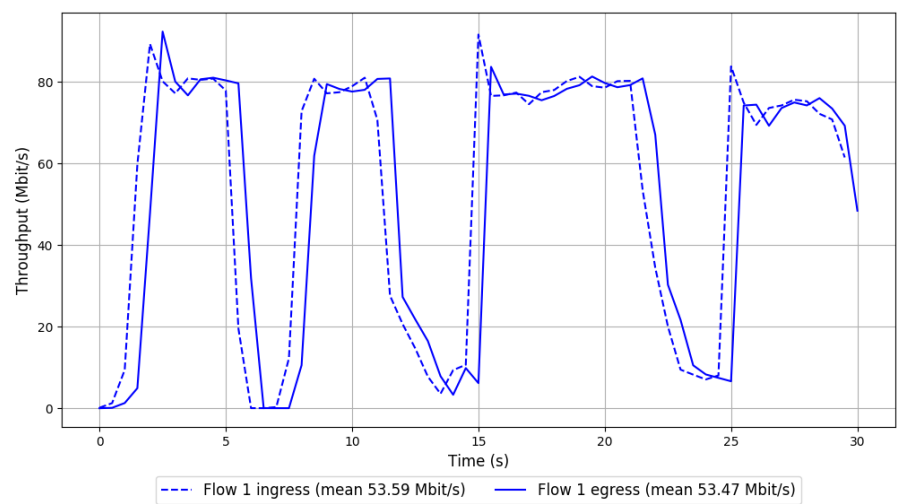
-- Flow 1:

Average throughput: 53.47 Mbit/s

95th percentile per-packet one-way delay: 86.604 ms

Loss rate: 0.81%

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: 2018-08-01 13:11:58

End at: 2018-08-01 13:12:28

Local clock offset: 0.026 ms

Remote clock offset: -0.028 ms

Below is generated by plot.py at 2018-08-01 17:23:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 55.09 Mbit/s

95th percentile per-packet one-way delay: 86.025 ms

Loss rate: 0.81%

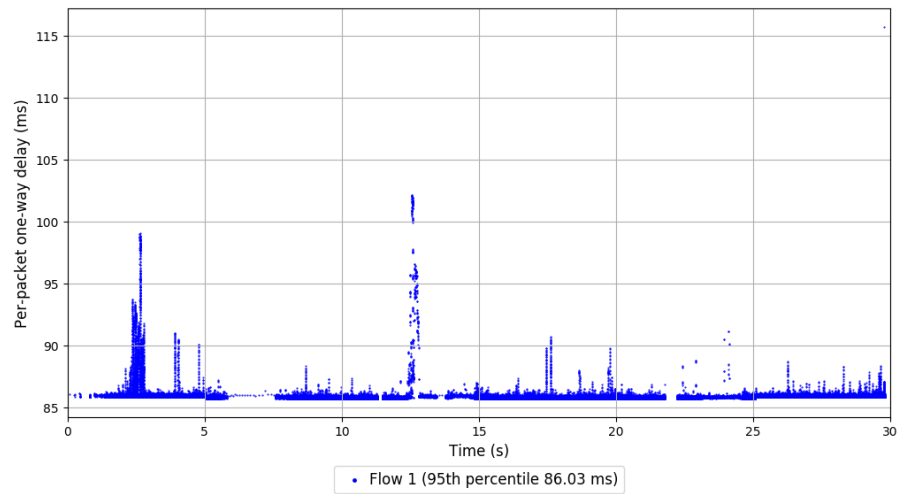
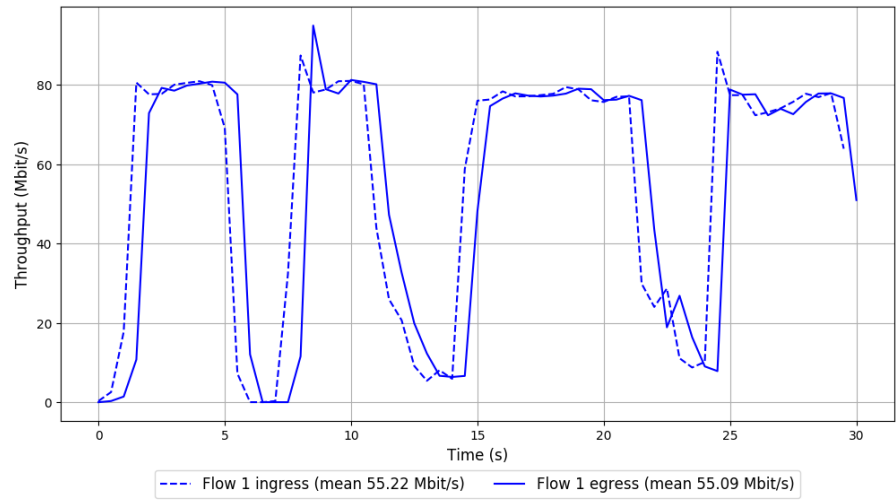
-- Flow 1:

Average throughput: 55.09 Mbit/s

95th percentile per-packet one-way delay: 86.025 ms

Loss rate: 0.81%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: 2018-08-01 13:34:15

End at: 2018-08-01 13:34:45

Local clock offset: -0.08 ms

Remote clock offset: -0.097 ms

Below is generated by plot.py at 2018-08-01 17:23:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 58.05 Mbit/s

95th percentile per-packet one-way delay: 86.109 ms

Loss rate: 0.69%

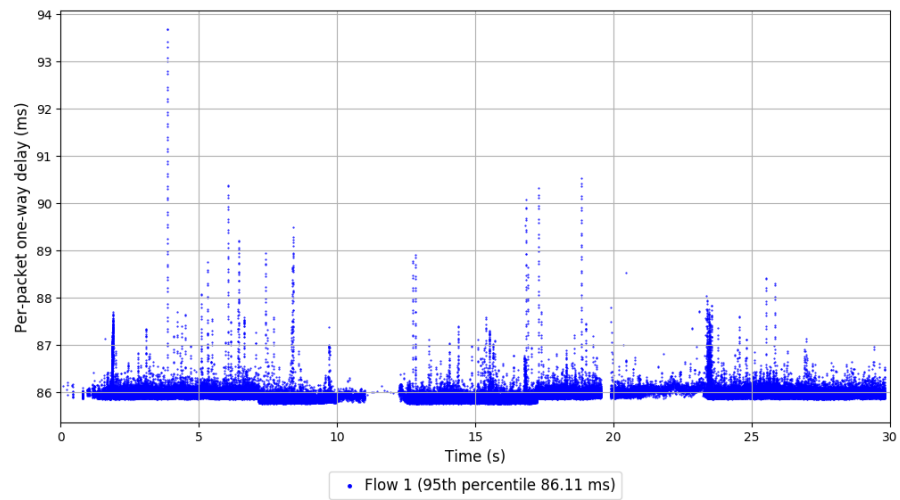
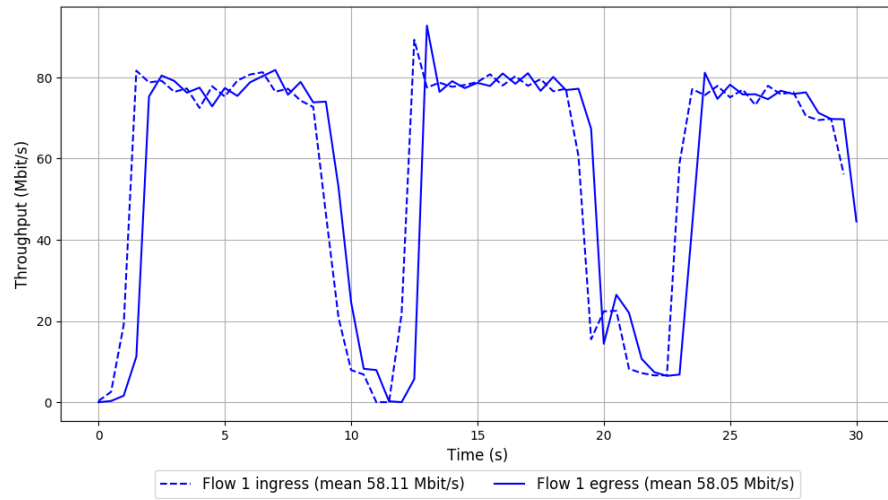
-- Flow 1:

Average throughput: 58.05 Mbit/s

95th percentile per-packet one-way delay: 86.109 ms

Loss rate: 0.69%

Run 4: Report of QUIC Cubic — Data Link

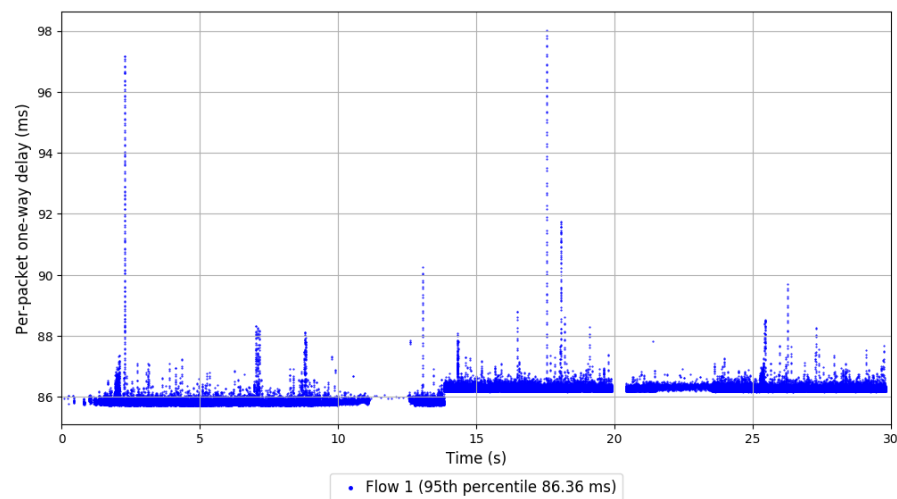
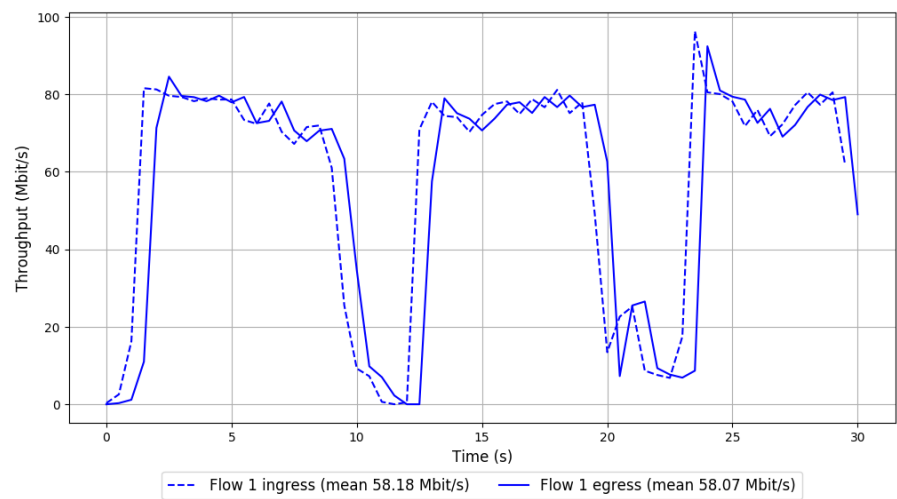


Run 5: Statistics of QUIC Cubic

Start at: 2018-08-01 13:56:39
End at: 2018-08-01 13:57:09
Local clock offset: 0.02 ms
Remote clock offset: -0.078 ms

Below is generated by plot.py at 2018-08-01 17:23:59
Datalink statistics
-- Total of 1 flow:
Average throughput: 58.07 Mbit/s
95th percentile per-packet one-way delay: 86.360 ms
Loss rate: 0.76%
-- Flow 1:
Average throughput: 58.07 Mbit/s
95th percentile per-packet one-way delay: 86.360 ms
Loss rate: 0.76%

Run 5: Report of QUIC Cubic — Data Link

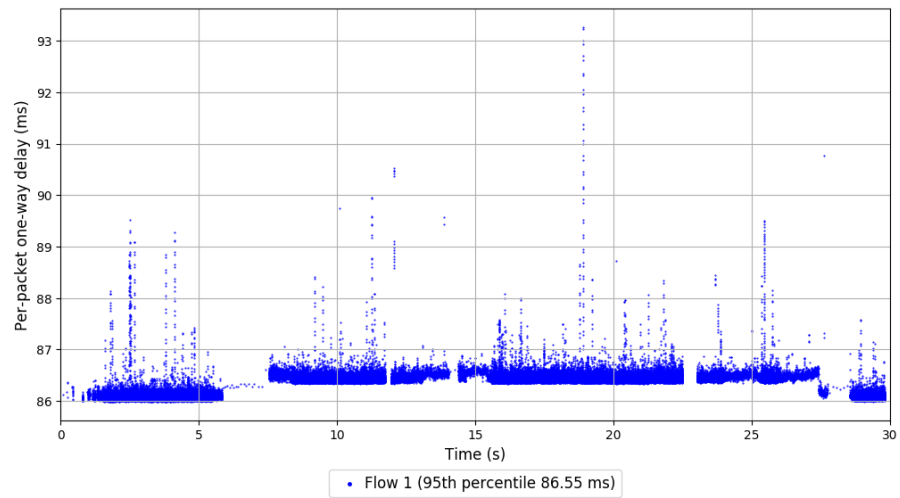
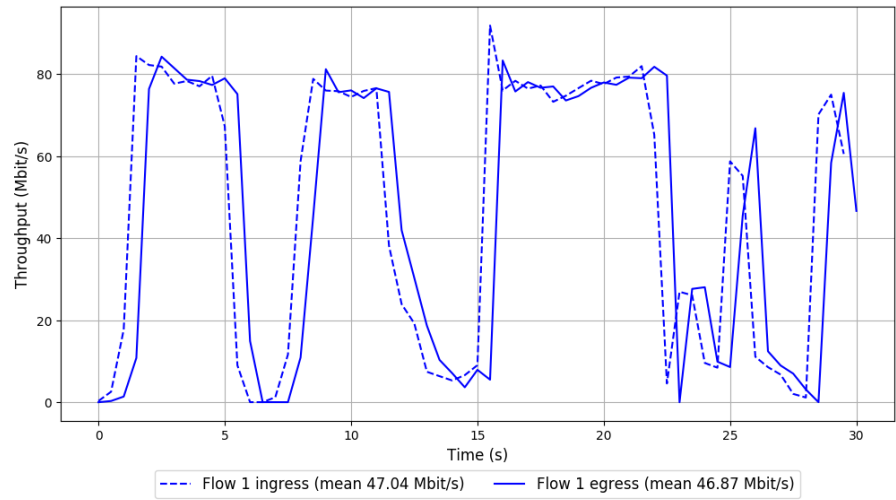


Run 6: Statistics of QUIC Cubic

Start at: 2018-08-01 14:18:51
End at: 2018-08-01 14:19:21
Local clock offset: 0.192 ms
Remote clock offset: -0.093 ms

Below is generated by plot.py at 2018-08-01 17:23:59
Datalink statistics
-- Total of 1 flow:
Average throughput: 46.87 Mbit/s
95th percentile per-packet one-way delay: 86.547 ms
Loss rate: 0.94%
-- Flow 1:
Average throughput: 46.87 Mbit/s
95th percentile per-packet one-way delay: 86.547 ms
Loss rate: 0.94%

Run 6: Report of QUIC Cubic — Data Link

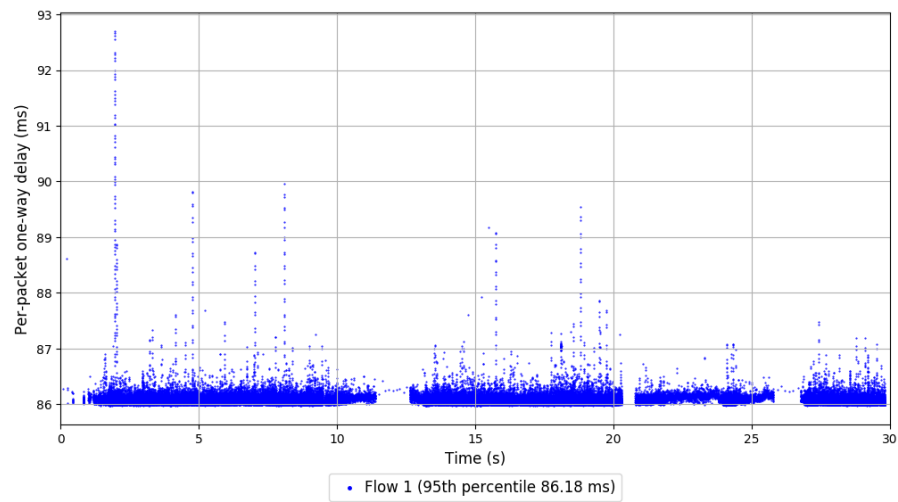
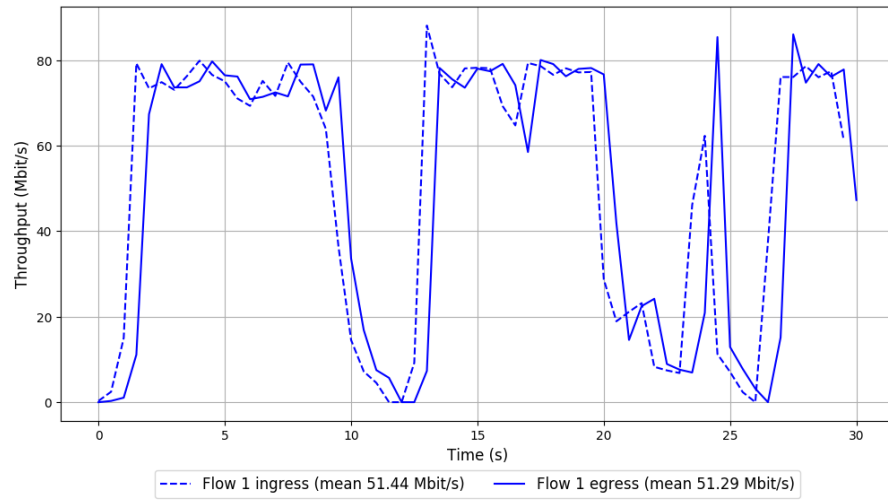


Run 7: Statistics of QUIC Cubic

Start at: 2018-08-01 14:41:09
End at: 2018-08-01 14:41:39
Local clock offset: 0.165 ms
Remote clock offset: -0.139 ms

Below is generated by plot.py at 2018-08-01 17:24:00
Datalink statistics
-- Total of 1 flow:
Average throughput: 51.29 Mbit/s
95th percentile per-packet one-way delay: 86.184 ms
Loss rate: 0.87%
-- Flow 1:
Average throughput: 51.29 Mbit/s
95th percentile per-packet one-way delay: 86.184 ms
Loss rate: 0.87%

Run 7: Report of QUIC Cubic — Data Link



Run 8: Statistics of QUIC Cubic

Start at: 2018-08-01 15:03:16

End at: 2018-08-01 15:03:46

Local clock offset: 0.073 ms

Remote clock offset: -0.156 ms

Below is generated by plot.py at 2018-08-01 17:24:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 48.59 Mbit/s

95th percentile per-packet one-way delay: 86.490 ms

Loss rate: 0.97%

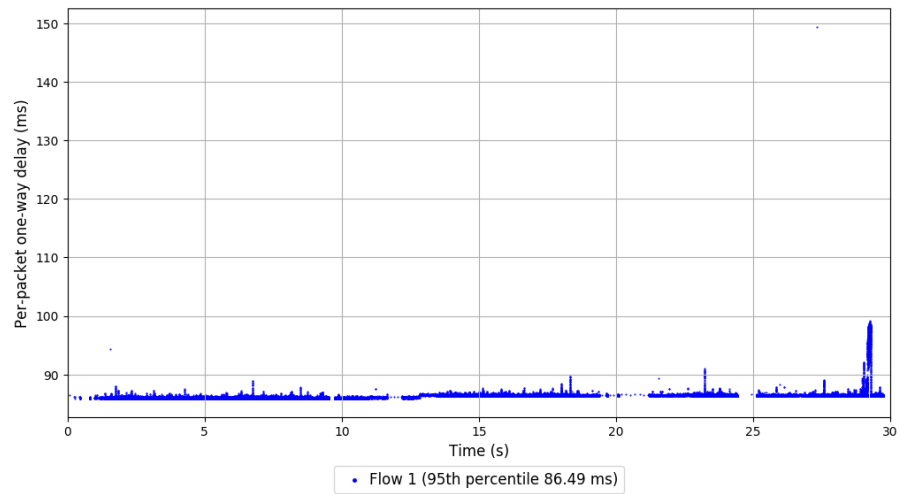
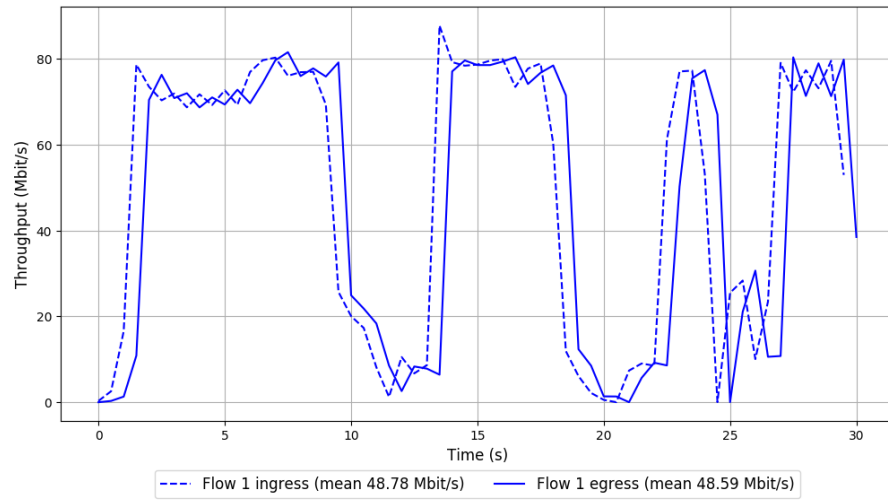
-- Flow 1:

Average throughput: 48.59 Mbit/s

95th percentile per-packet one-way delay: 86.490 ms

Loss rate: 0.97%

Run 8: Report of QUIC Cubic — Data Link



Run 9: Statistics of QUIC Cubic

Start at: 2018-08-01 15:25:08

End at: 2018-08-01 15:25:38

Local clock offset: 0.169 ms

Remote clock offset: -0.162 ms

Below is generated by plot.py at 2018-08-01 17:24:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 53.64 Mbit/s

95th percentile per-packet one-way delay: 86.670 ms

Loss rate: 0.83%

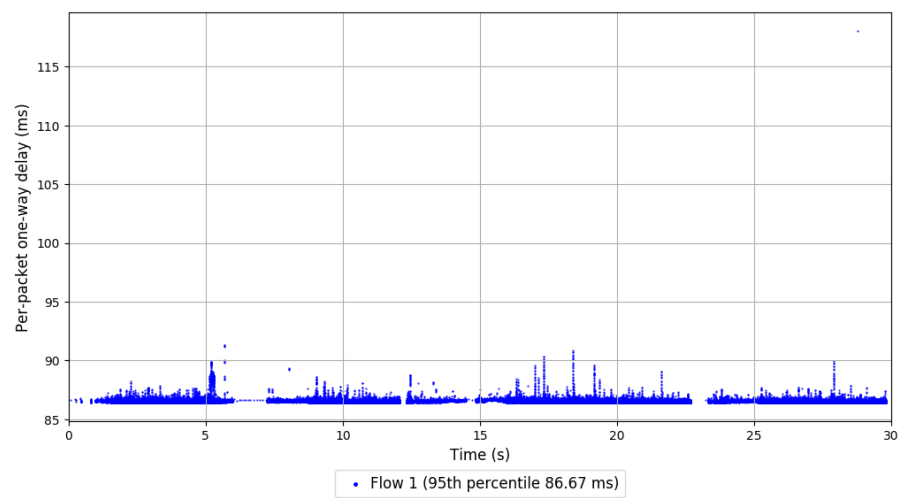
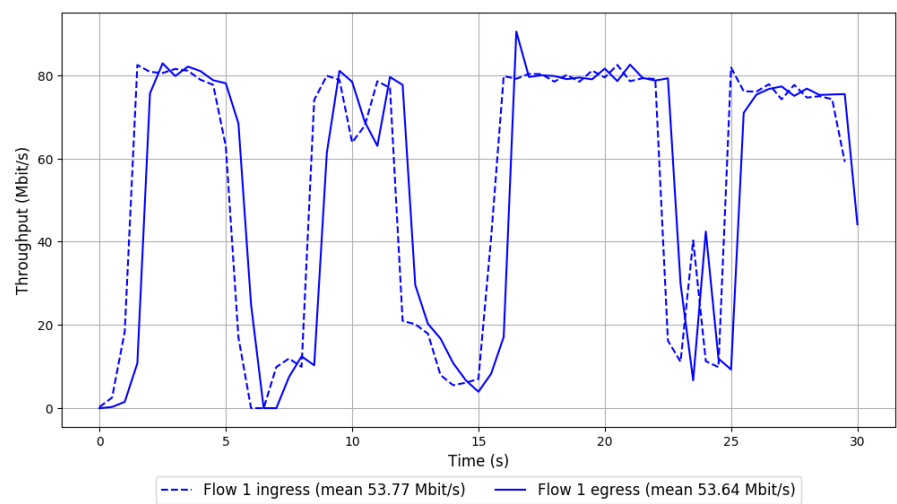
-- Flow 1:

Average throughput: 53.64 Mbit/s

95th percentile per-packet one-way delay: 86.670 ms

Loss rate: 0.83%

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

Start at: 2018-08-01 15:47:27

End at: 2018-08-01 15:47:57

Local clock offset: -0.074 ms

Remote clock offset: 0.015 ms

Below is generated by plot.py at 2018-08-01 17:24:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 55.88 Mbit/s

95th percentile per-packet one-way delay: 86.418 ms

Loss rate: 0.79%

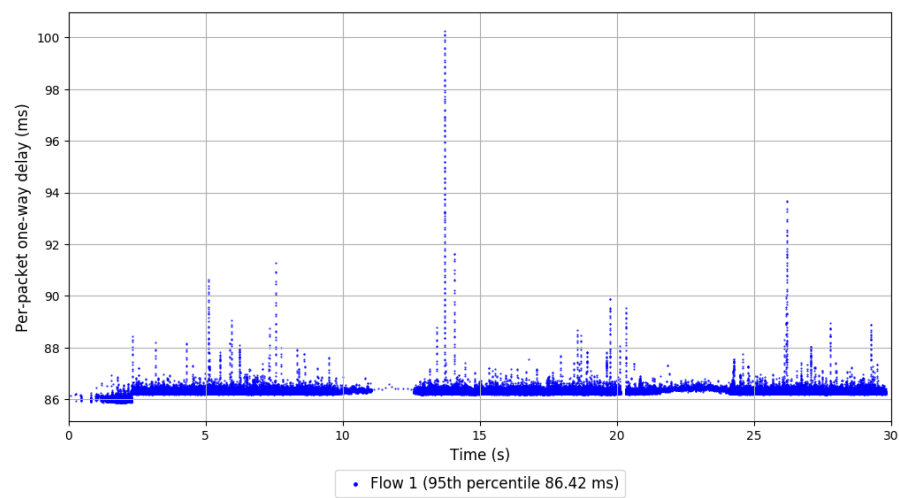
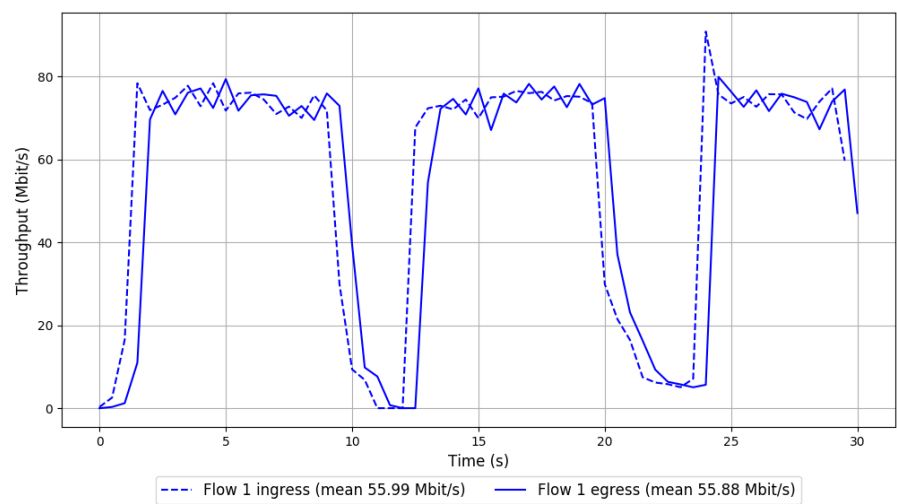
-- Flow 1:

Average throughput: 55.88 Mbit/s

95th percentile per-packet one-way delay: 86.418 ms

Loss rate: 0.79%

Run 10: Report of QUIC Cubic — Data Link

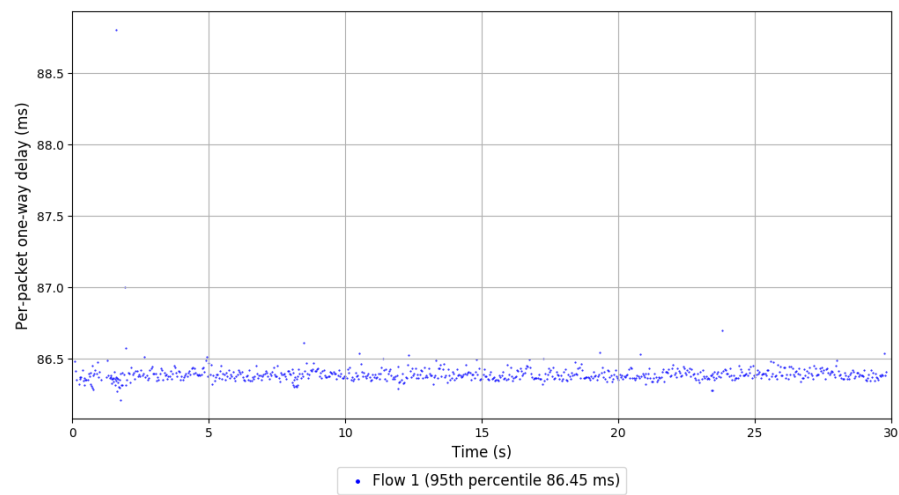
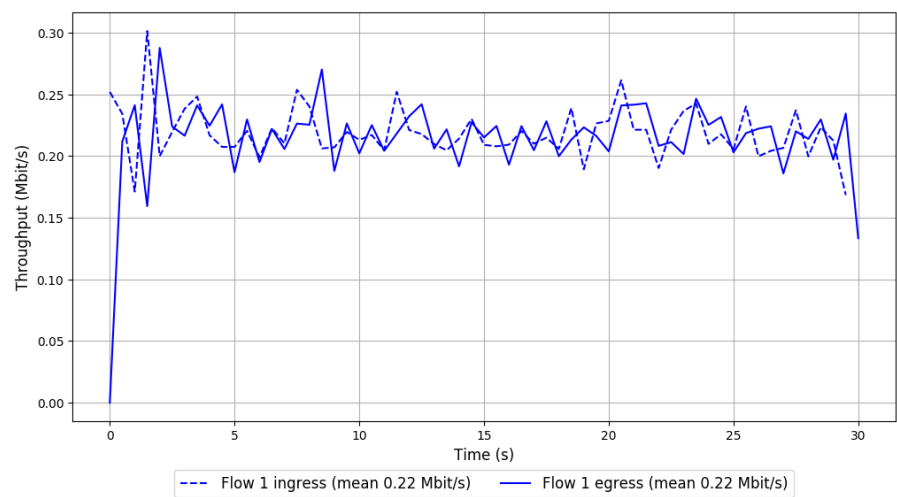


Run 1: Statistics of SCReAM

Start at: 2018-08-01 12:19:27
End at: 2018-08-01 12:19:57
Local clock offset: 0.218 ms
Remote clock offset: -0.112 ms

Below is generated by plot.py at 2018-08-01 17:24:00
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.453 ms
Loss rate: 0.52%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.453 ms
Loss rate: 0.52%

Run 1: Report of SReAM — Data Link

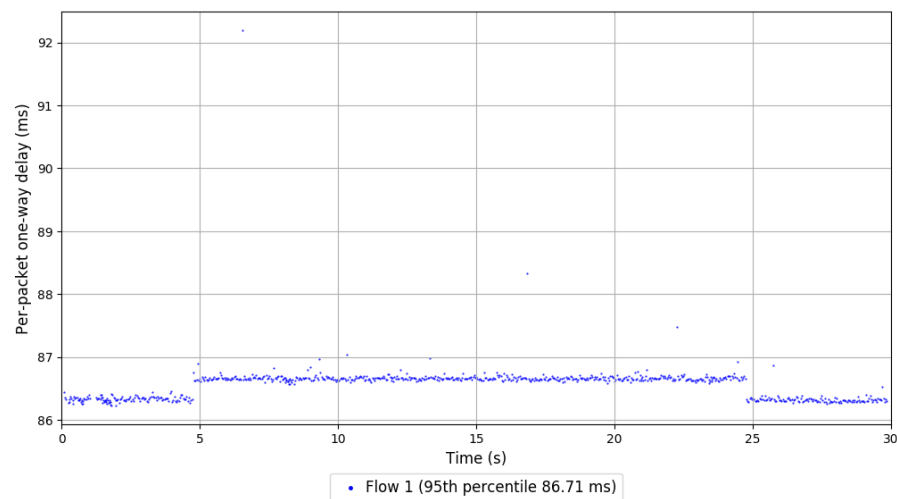
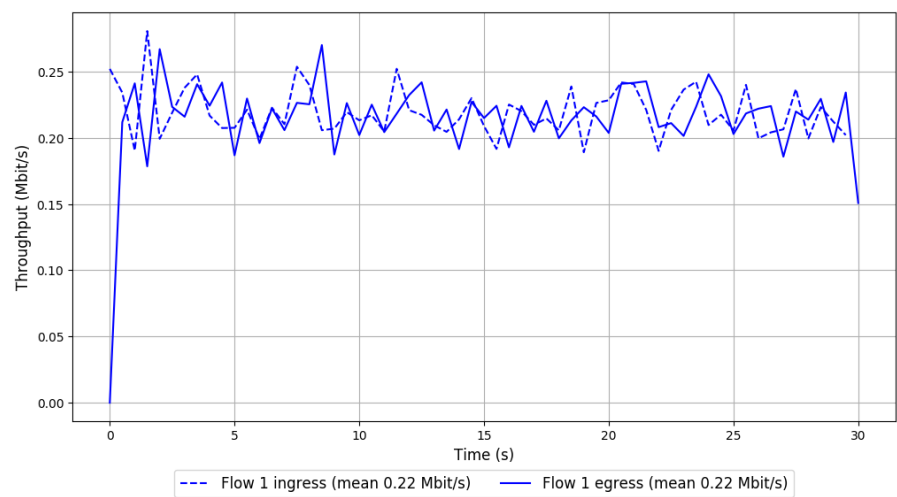


Run 2: Statistics of SCReAM

Start at: 2018-08-01 12:41:38
End at: 2018-08-01 12:42:08
Local clock offset: 0.154 ms
Remote clock offset: -0.099 ms

Below is generated by plot.py at 2018-08-01 17:24:00
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.712 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.712 ms
Loss rate: 0.64%

Run 2: Report of SReAM — Data Link

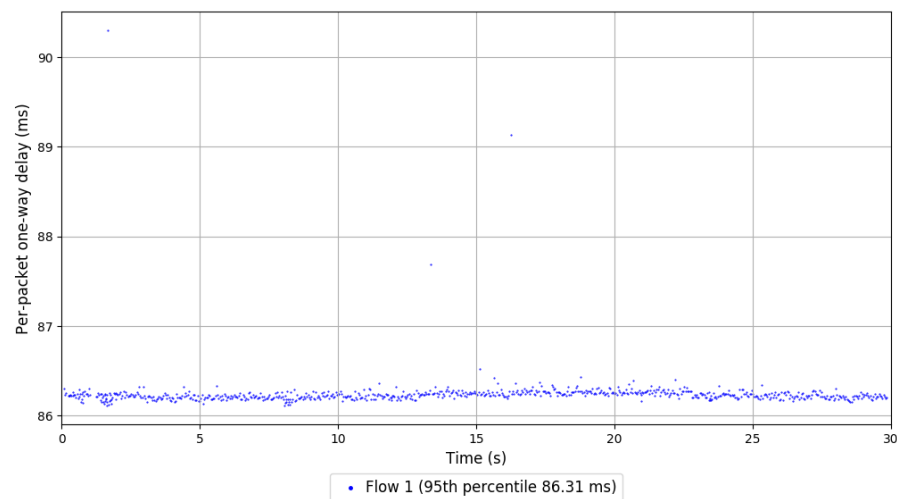
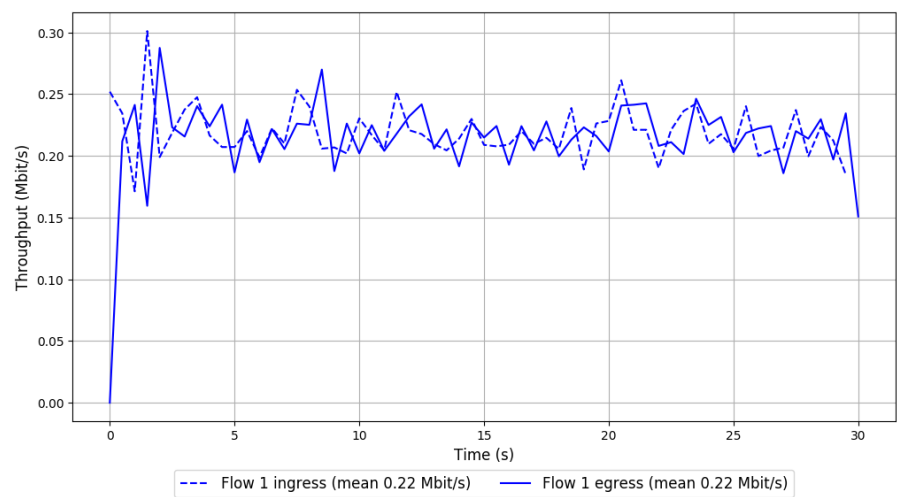


Run 3: Statistics of SCReAM

Start at: 2018-08-01 13:03:50
End at: 2018-08-01 13:04:20
Local clock offset: 0.269 ms
Remote clock offset: -0.027 ms

Below is generated by plot.py at 2018-08-01 17:24:00
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.306 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.306 ms
Loss rate: 0.51%

Run 3: Report of SReAM — Data Link

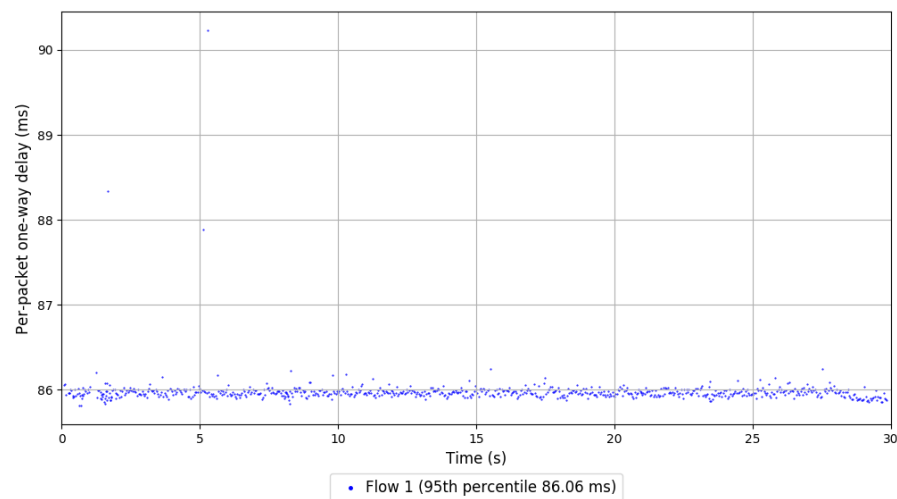
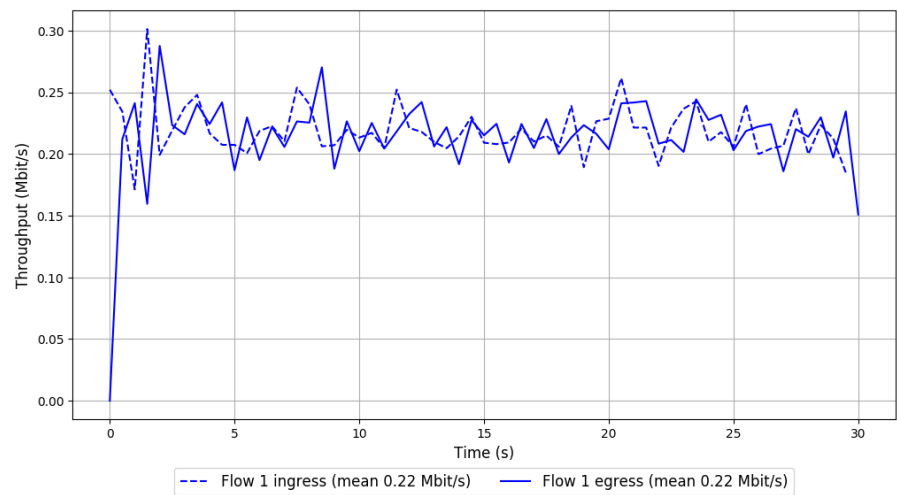


Run 4: Statistics of SCReAM

Start at: 2018-08-01 13:25:54
End at: 2018-08-01 13:26:24
Local clock offset: -0.111 ms
Remote clock offset: -0.048 ms

Below is generated by plot.py at 2018-08-01 17:24:00
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.055 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.055 ms
Loss rate: 0.51%

Run 4: Report of SReAM — Data Link

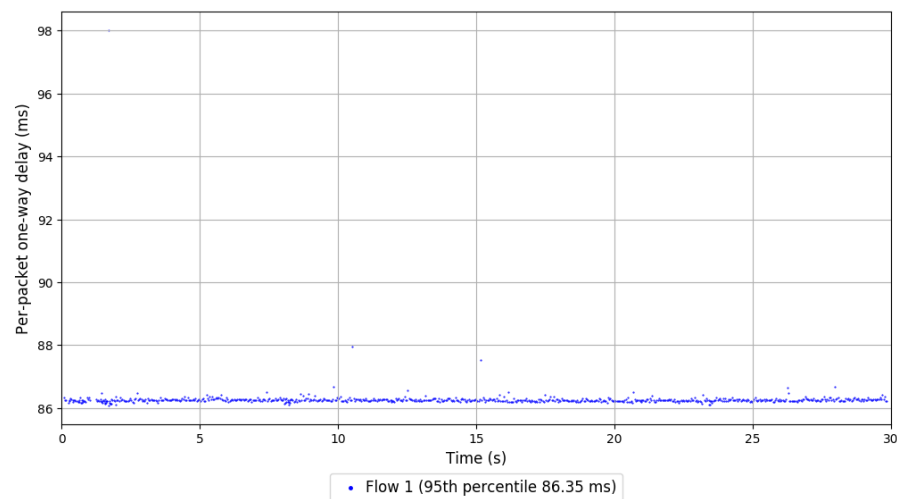
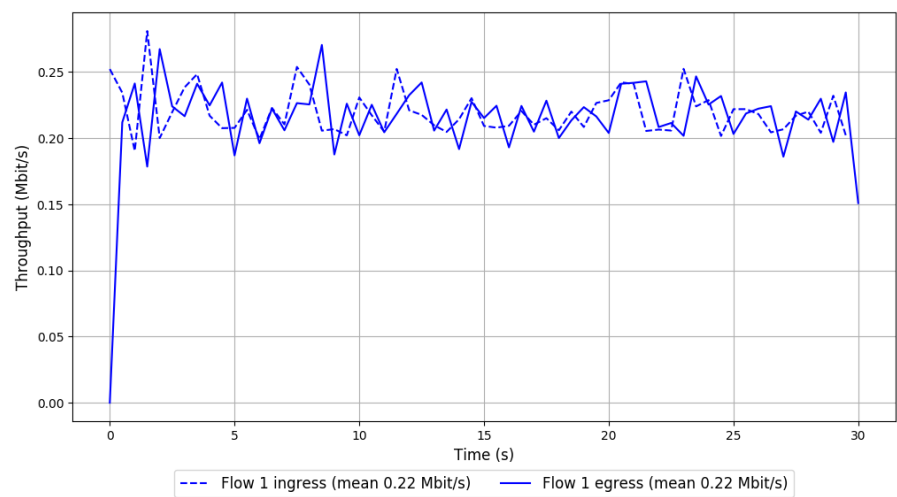


Run 5: Statistics of SCReAM

Start at: 2018-08-01 13:48:09
End at: 2018-08-01 13:48:39
Local clock offset: 0.087 ms
Remote clock offset: -0.095 ms

Below is generated by plot.py at 2018-08-01 17:24:00
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.348 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.348 ms
Loss rate: 0.64%

Run 5: Report of SReAM — Data Link

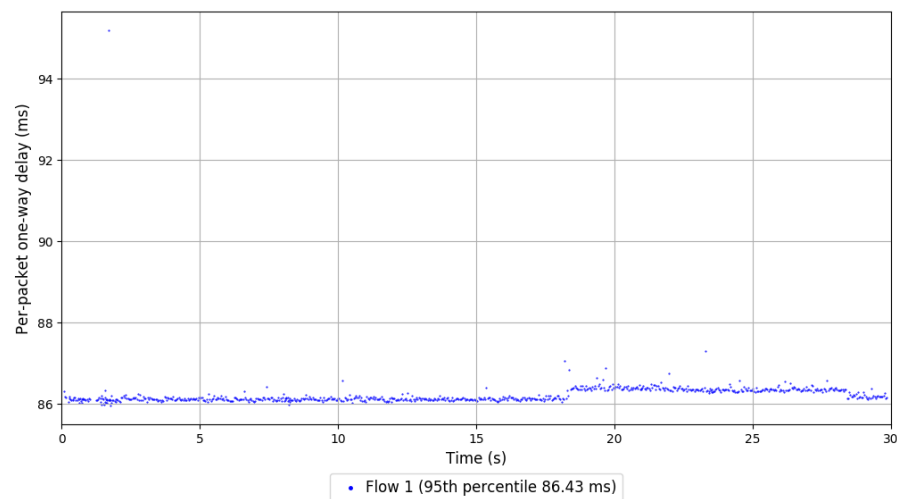
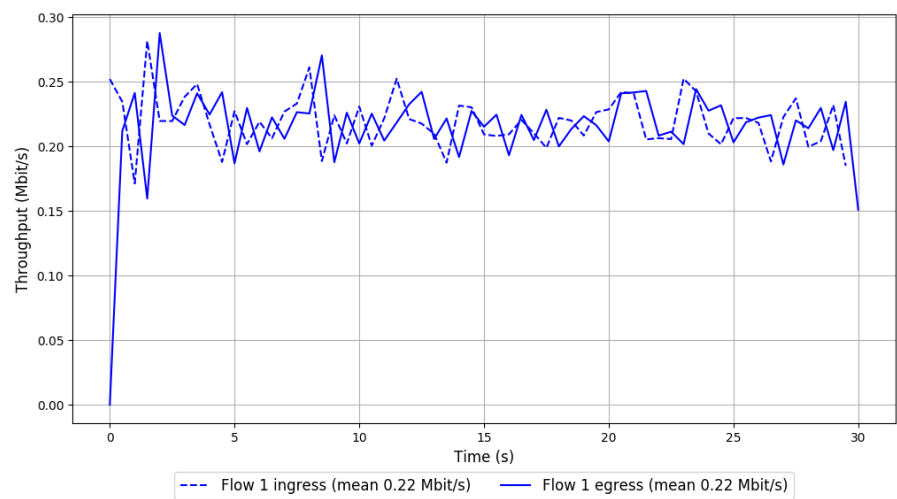


Run 6: Statistics of SCReAM

Start at: 2018-08-01 14:10:34
End at: 2018-08-01 14:11:04
Local clock offset: 0.19 ms
Remote clock offset: -0.065 ms

Below is generated by plot.py at 2018-08-01 17:24:00
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.429 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.429 ms
Loss rate: 0.51%

Run 6: Report of SReAM — Data Link

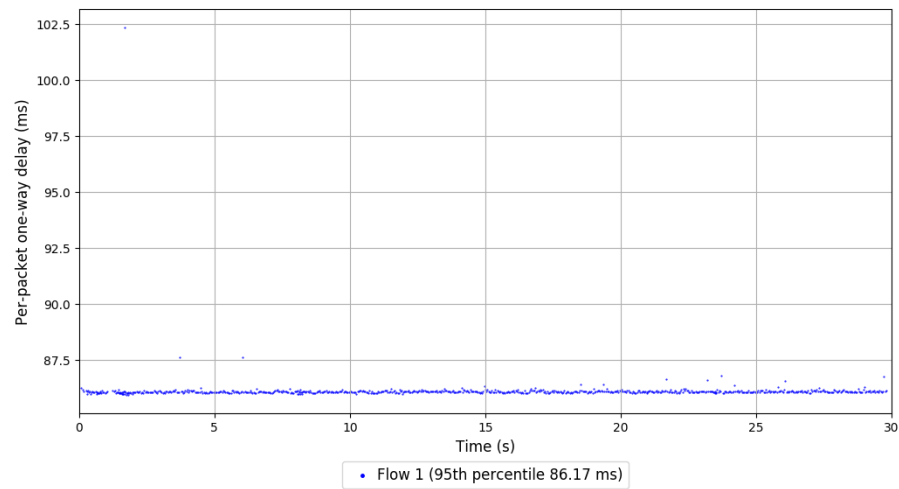
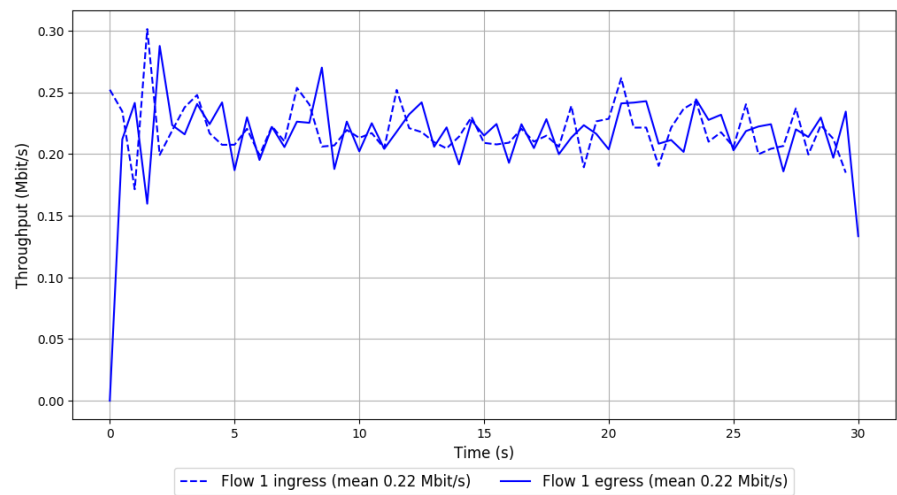


Run 7: Statistics of SCReAM

Start at: 2018-08-01 14:32:46
End at: 2018-08-01 14:33:16
Local clock offset: -0.028 ms
Remote clock offset: -0.196 ms

Below is generated by plot.py at 2018-08-01 17:24:00
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.175 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.175 ms
Loss rate: 0.64%

Run 7: Report of SReAM — Data Link

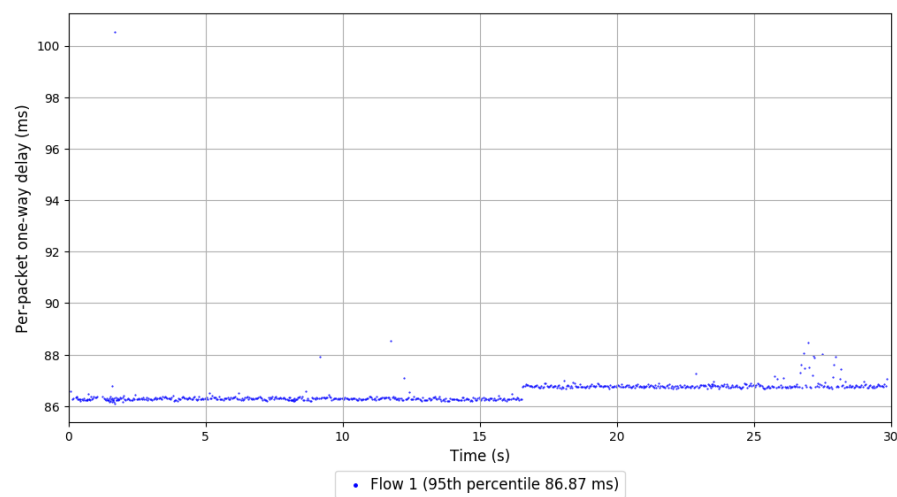
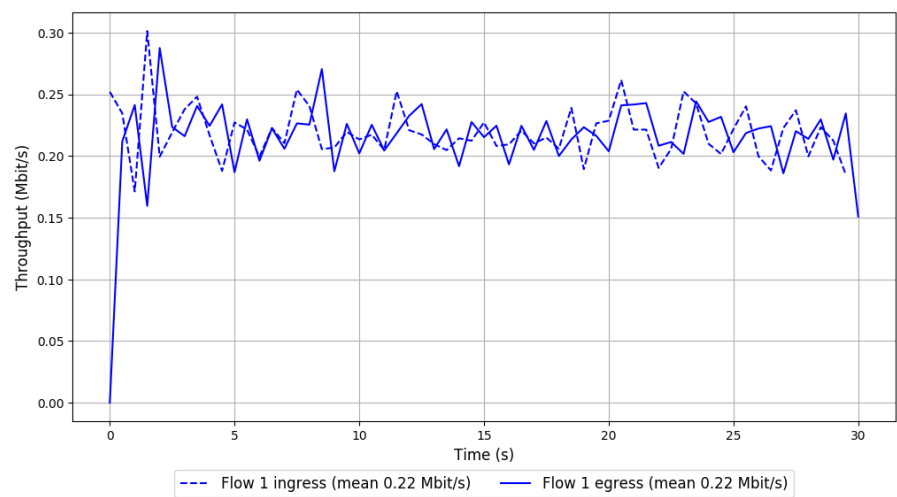


Run 8: Statistics of SCReAM

Start at: 2018-08-01 14:55:02
End at: 2018-08-01 14:55:32
Local clock offset: 0.217 ms
Remote clock offset: -0.159 ms

Below is generated by plot.py at 2018-08-01 17:24:00
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.873 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.873 ms
Loss rate: 0.51%

Run 8: Report of SReAM — Data Link

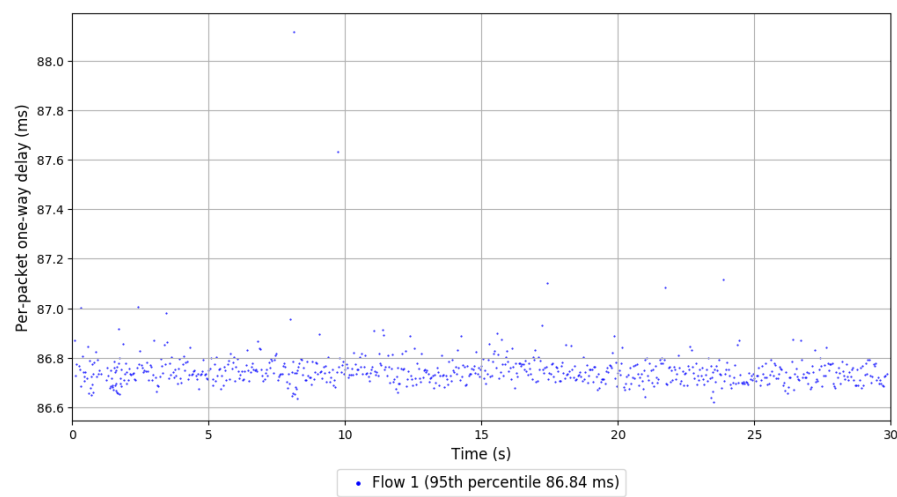
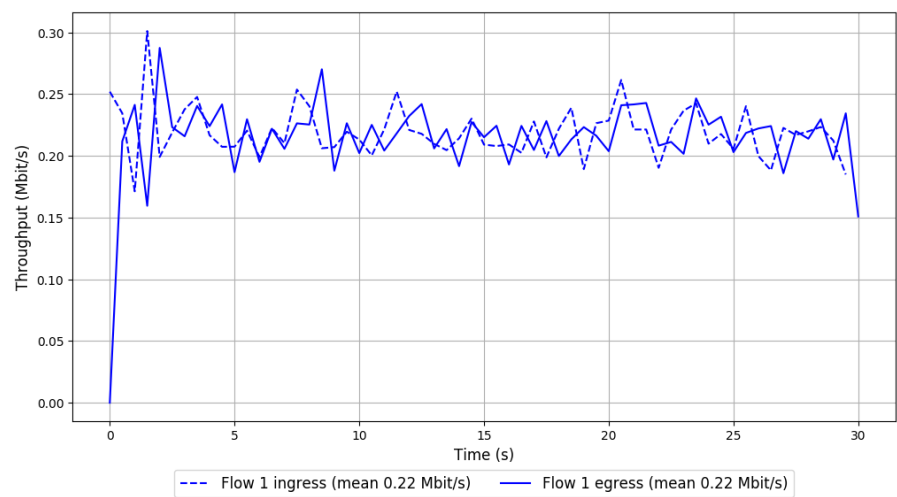


Run 9: Statistics of SCReAM

Start at: 2018-08-01 15:17:09
End at: 2018-08-01 15:17:39
Local clock offset: 0.305 ms
Remote clock offset: -0.153 ms

Below is generated by plot.py at 2018-08-01 17:24:00
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.840 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.840 ms
Loss rate: 0.51%

Run 9: Report of SReAM — Data Link

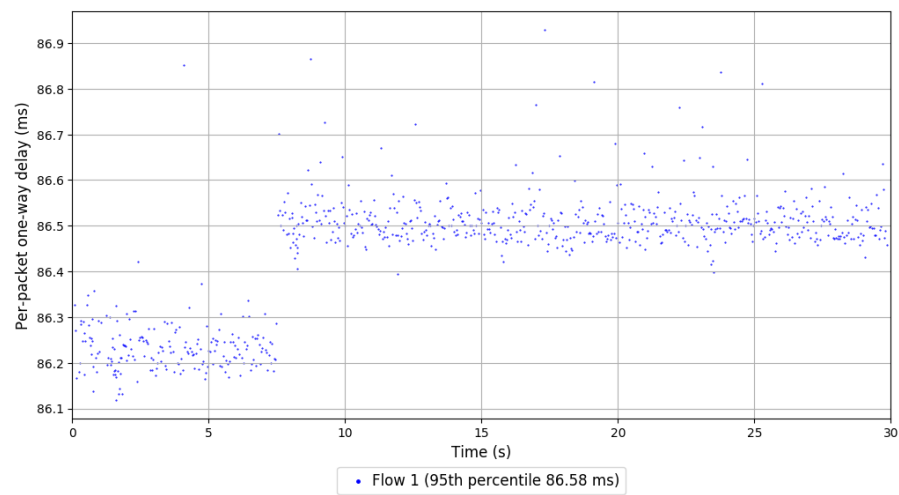
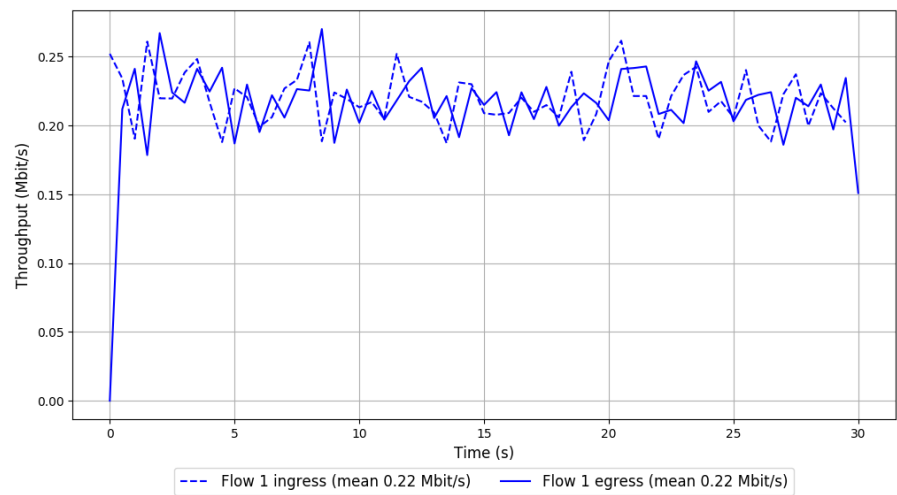


Run 10: Statistics of SCReAM

Start at: 2018-08-01 15:39:05
End at: 2018-08-01 15:39:35
Local clock offset: 0.006 ms
Remote clock offset: -0.036 ms

Below is generated by plot.py at 2018-08-01 17:24:00
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.579 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.579 ms
Loss rate: 0.64%

Run 10: Report of SReAM — Data Link

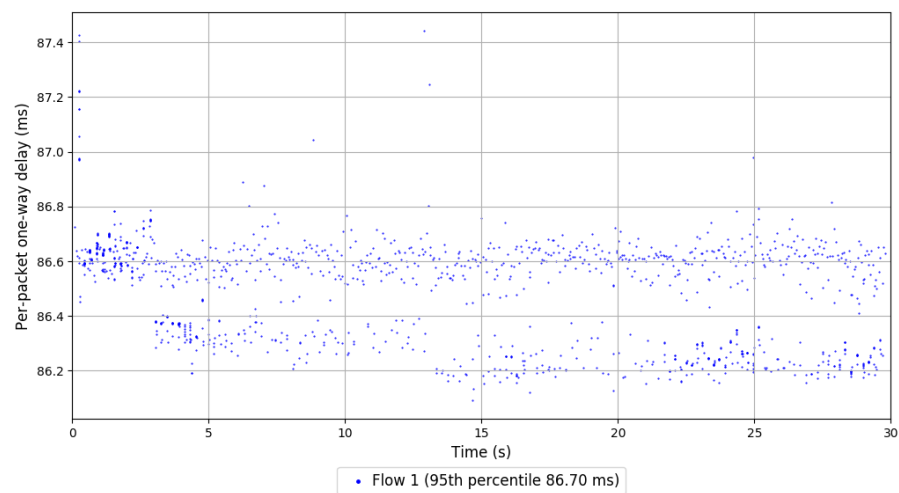
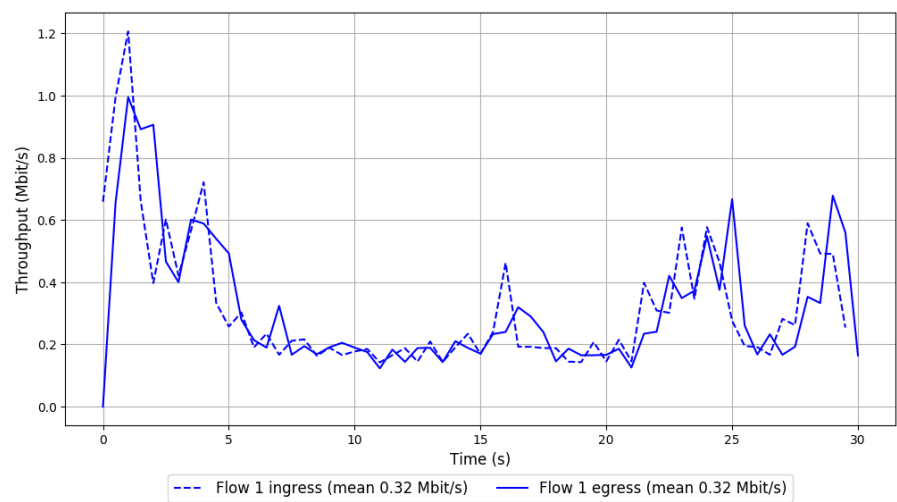


Run 1: Statistics of Sprout

Start at: 2018-08-01 12:35:16
End at: 2018-08-01 12:35:46
Local clock offset: 0.049 ms
Remote clock offset: -0.166 ms

Below is generated by plot.py at 2018-08-01 17:24:00
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.32 Mbit/s
95th percentile per-packet one-way delay: 86.701 ms
Loss rate: 0.48%
-- Flow 1:
Average throughput: 0.32 Mbit/s
95th percentile per-packet one-way delay: 86.701 ms
Loss rate: 0.48%

Run 1: Report of Sprout — Data Link

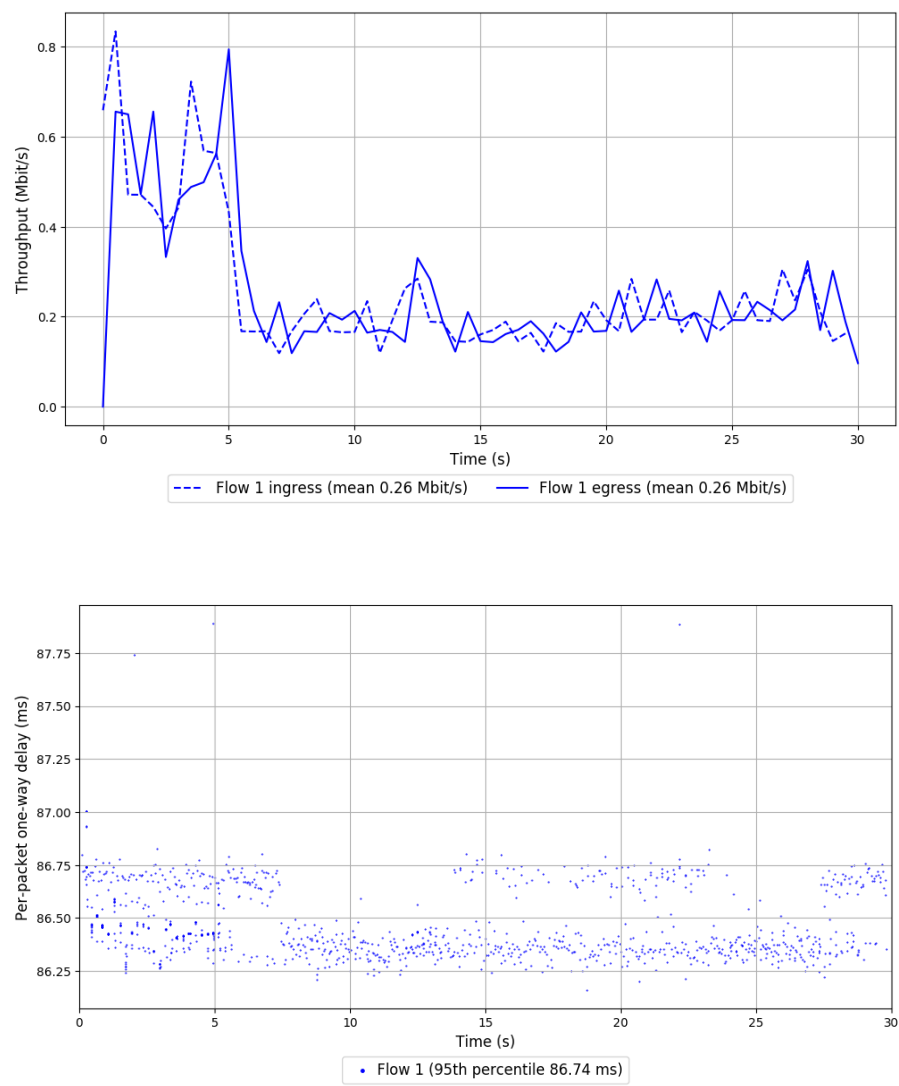


Run 2: Statistics of Sprout

Start at: 2018-08-01 12:57:35
End at: 2018-08-01 12:58:05
Local clock offset: 0.275 ms
Remote clock offset: -0.043 ms

Below is generated by plot.py at 2018-08-01 17:24:00
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.26 Mbit/s
95th percentile per-packet one-way delay: 86.738 ms
Loss rate: 0.45%
-- Flow 1:
Average throughput: 0.26 Mbit/s
95th percentile per-packet one-way delay: 86.738 ms
Loss rate: 0.45%

Run 2: Report of Sprout — Data Link

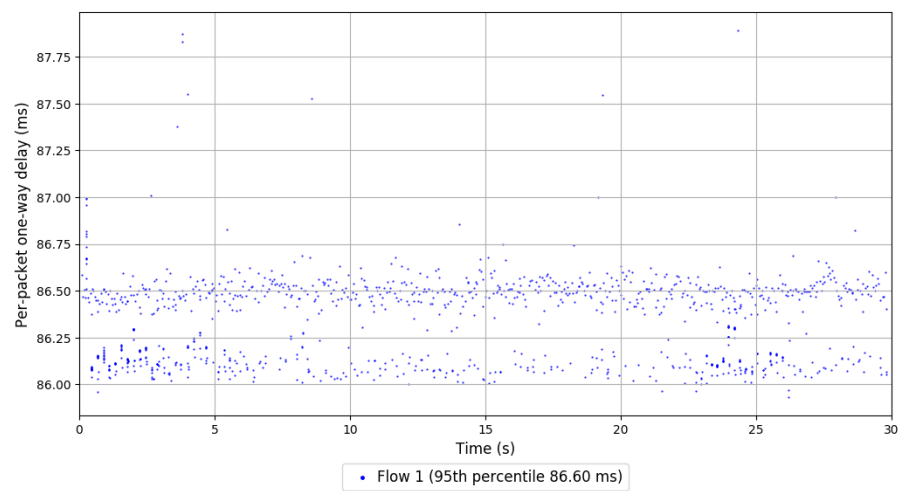
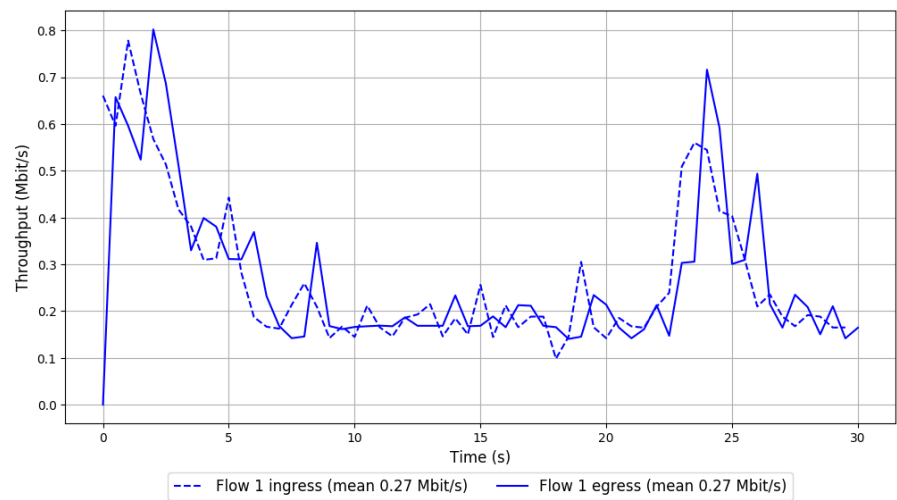


Run 3: Statistics of Sprout

Start at: 2018-08-01 13:19:33
End at: 2018-08-01 13:20:03
Local clock offset: 0.017 ms
Remote clock offset: -0.091 ms

Below is generated by plot.py at 2018-08-01 17:24:00
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.27 Mbit/s
95th percentile per-packet one-way delay: 86.602 ms
Loss rate: 0.28%
-- Flow 1:
Average throughput: 0.27 Mbit/s
95th percentile per-packet one-way delay: 86.602 ms
Loss rate: 0.28%

Run 3: Report of Sprout — Data Link



Run 4: Statistics of Sprout

Start at: 2018-08-01 13:41:50

End at: 2018-08-01 13:42:20

Local clock offset: 0.159 ms

Remote clock offset: -0.1 ms

Below is generated by plot.py at 2018-08-01 17:24:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.27 Mbit/s

95th percentile per-packet one-way delay: 86.481 ms

Loss rate: 0.45%

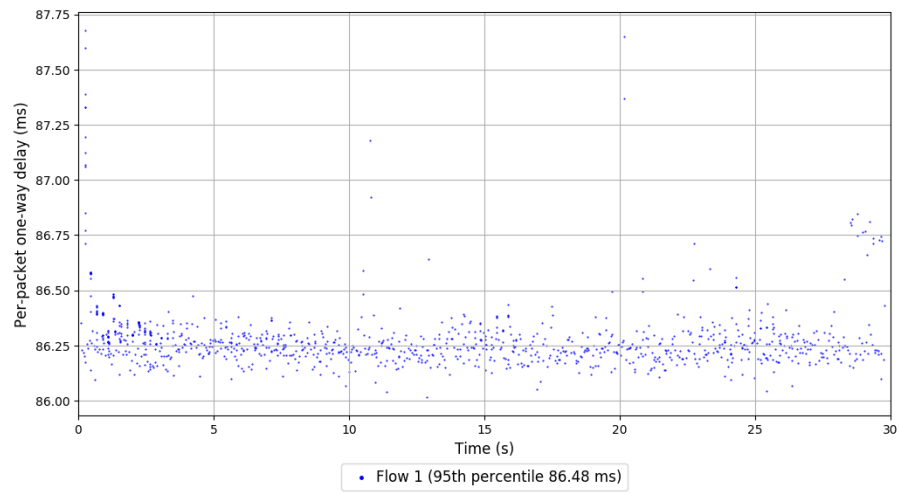
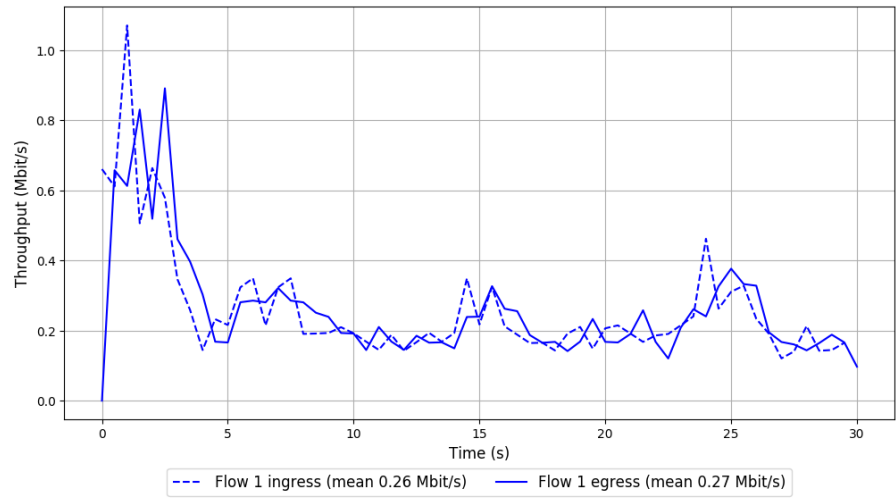
-- Flow 1:

Average throughput: 0.27 Mbit/s

95th percentile per-packet one-way delay: 86.481 ms

Loss rate: 0.45%

Run 4: Report of Sprout — Data Link

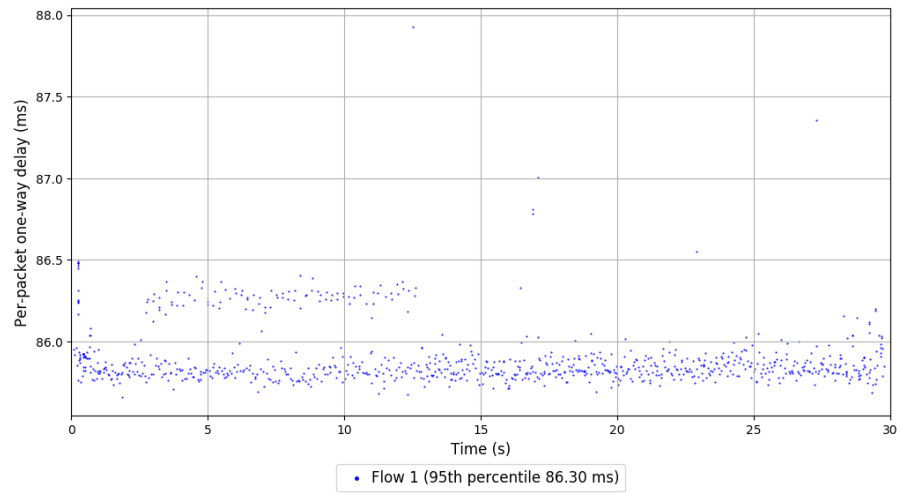
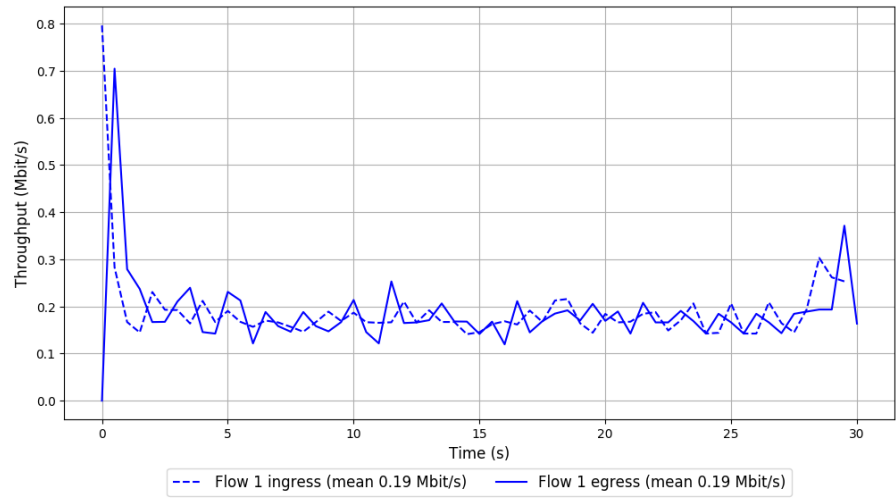


Run 5: Statistics of Sprout

Start at: 2018-08-01 14:04:16
End at: 2018-08-01 14:04:46
Local clock offset: -0.12 ms
Remote clock offset: -0.064 ms

Below is generated by plot.py at 2018-08-01 17:24:00
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.19 Mbit/s
95th percentile per-packet one-way delay: 86.297 ms
Loss rate: 0.81%
-- Flow 1:
Average throughput: 0.19 Mbit/s
95th percentile per-packet one-way delay: 86.297 ms
Loss rate: 0.81%

Run 5: Report of Sprout — Data Link

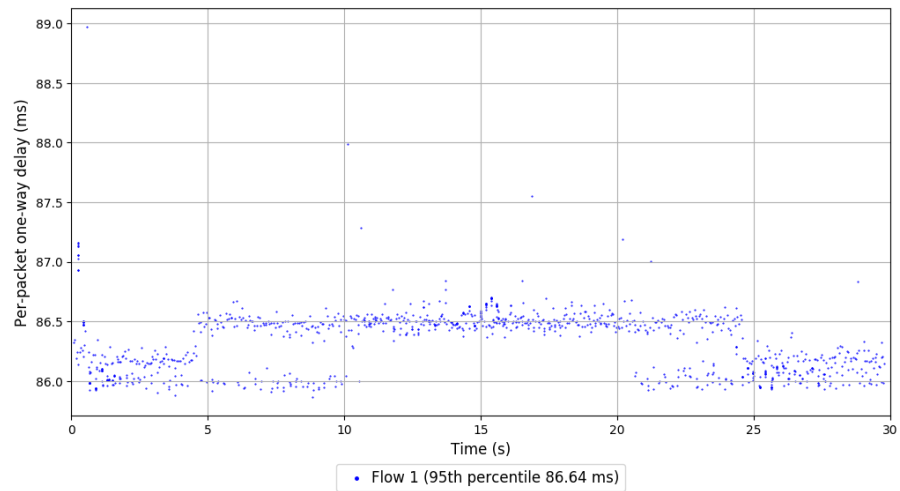
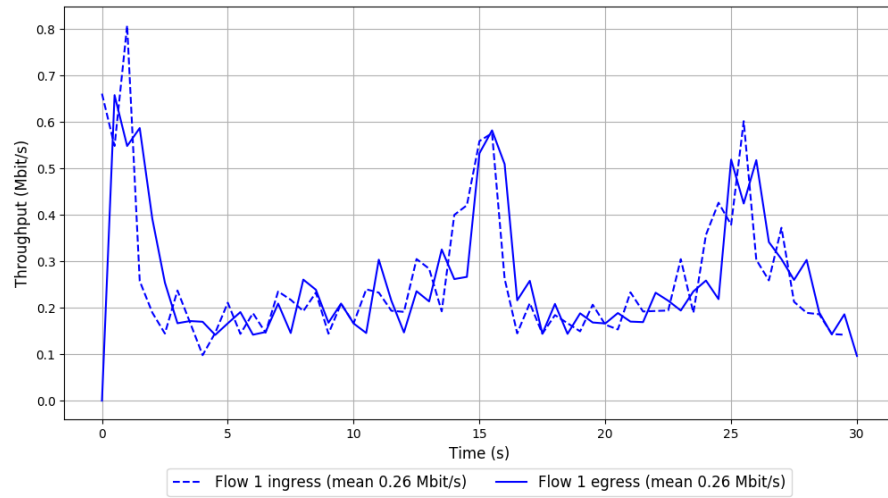


Run 6: Statistics of Sprout

Start at: 2018-08-01 14:26:28
End at: 2018-08-01 14:26:58
Local clock offset: -0.033 ms
Remote clock offset: -0.117 ms

Below is generated by plot.py at 2018-08-01 17:24:00
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.26 Mbit/s
95th percentile per-packet one-way delay: 86.636 ms
Loss rate: 0.45%
-- Flow 1:
Average throughput: 0.26 Mbit/s
95th percentile per-packet one-way delay: 86.636 ms
Loss rate: 0.45%

Run 6: Report of Sprout — Data Link



Run 7: Statistics of Sprout

Start at: 2018-08-01 14:48:42

End at: 2018-08-01 14:49:12

Local clock offset: 0.054 ms

Remote clock offset: -0.16 ms

Below is generated by plot.py at 2018-08-01 17:24:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.25 Mbit/s

95th percentile per-packet one-way delay: 86.790 ms

Loss rate: 0.50%

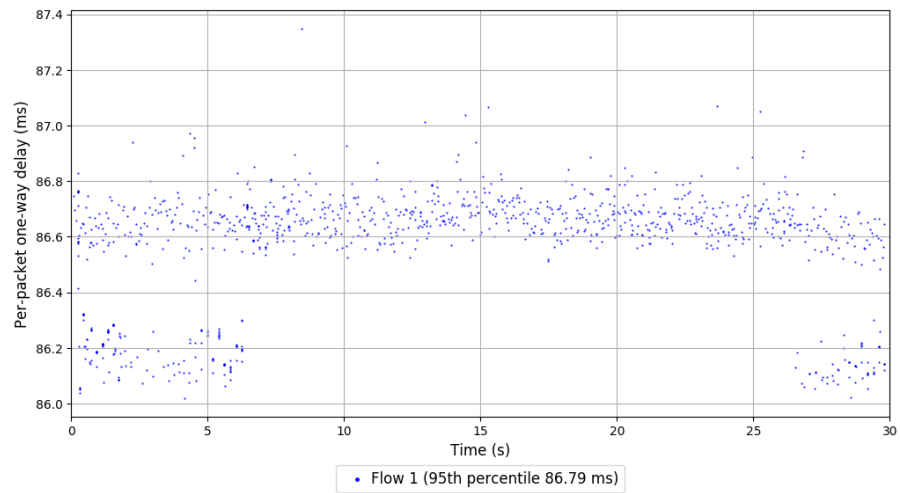
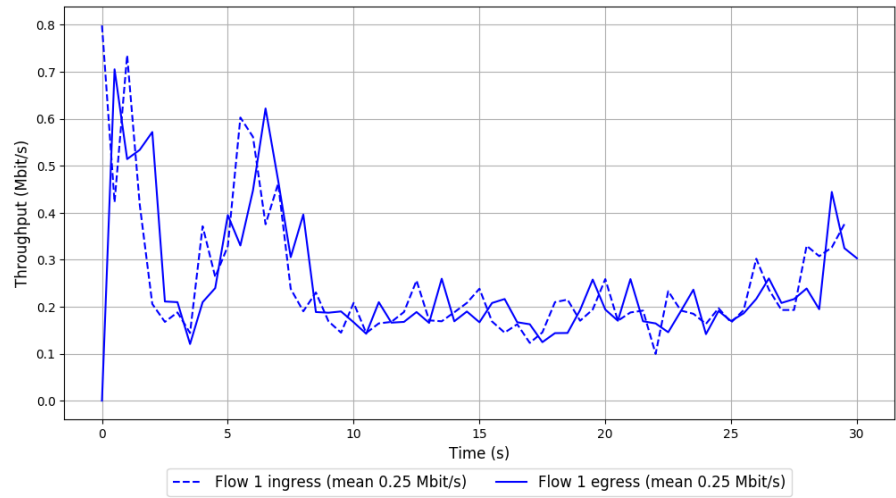
-- Flow 1:

Average throughput: 0.25 Mbit/s

95th percentile per-packet one-way delay: 86.790 ms

Loss rate: 0.50%

Run 7: Report of Sprout — Data Link

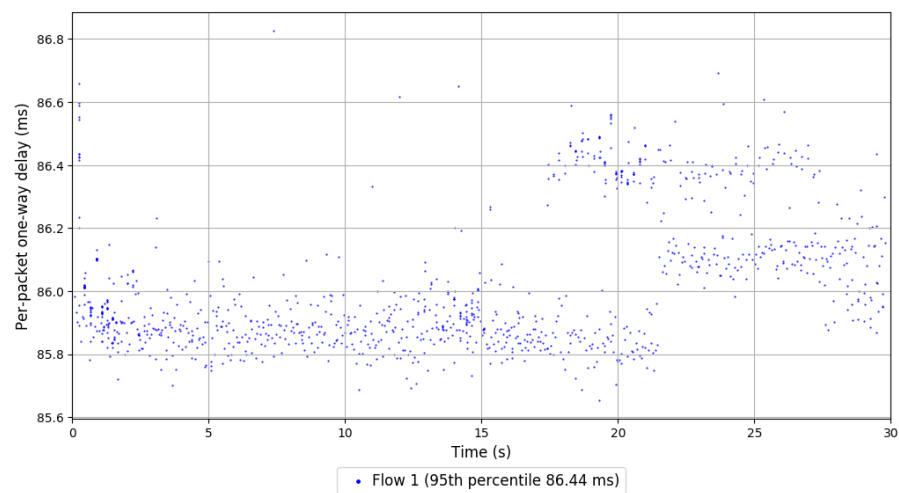
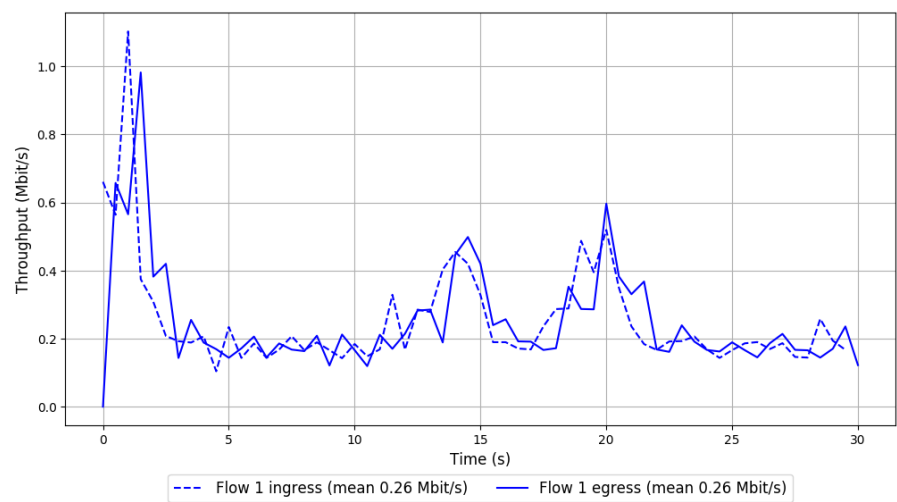


Run 8: Statistics of Sprout

Start at: 2018-08-01 15:10:51
End at: 2018-08-01 15:11:21
Local clock offset: -0.093 ms
Remote clock offset: -0.156 ms

Below is generated by plot.py at 2018-08-01 17:24:00
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.26 Mbit/s
95th percentile per-packet one-way delay: 86.437 ms
Loss rate: 0.61%
-- Flow 1:
Average throughput: 0.26 Mbit/s
95th percentile per-packet one-way delay: 86.437 ms
Loss rate: 0.61%

Run 8: Report of Sprout — Data Link

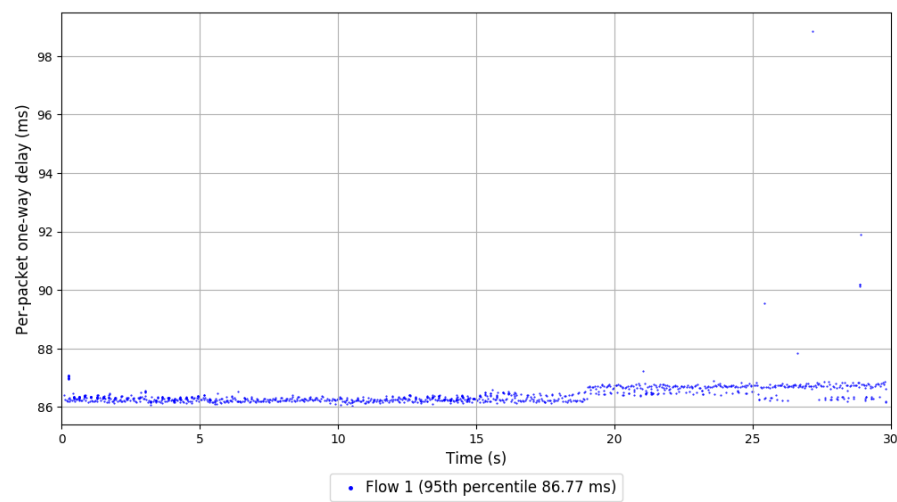
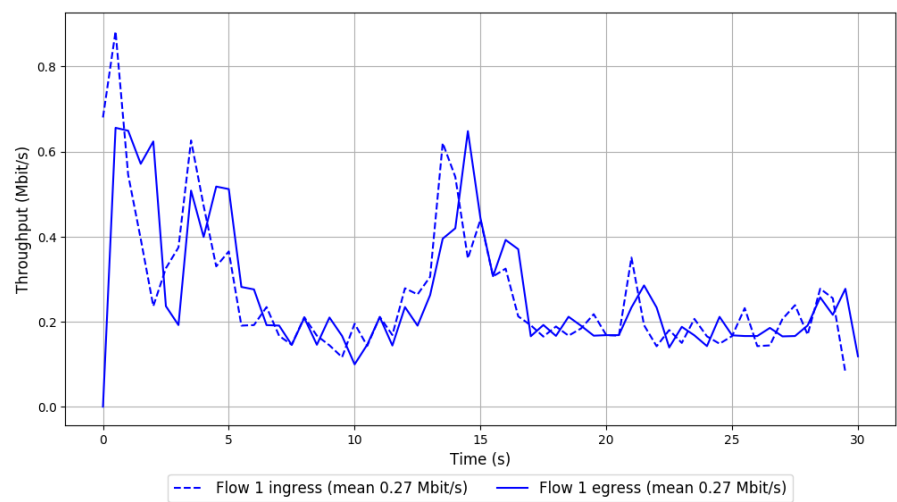


Run 9: Statistics of Sprout

Start at: 2018-08-01 15:32:44
End at: 2018-08-01 15:33:14
Local clock offset: 0.216 ms
Remote clock offset: -0.109 ms

Below is generated by plot.py at 2018-08-01 17:24:00
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.27 Mbit/s
95th percentile per-packet one-way delay: 86.770 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 0.27 Mbit/s
95th percentile per-packet one-way delay: 86.770 ms
Loss rate: 0.03%

Run 9: Report of Sprout — Data Link



Run 10: Statistics of Sprout

Start at: 2018-08-01 15:55:04

End at: 2018-08-01 15:55:34

Local clock offset: 0.147 ms

Remote clock offset: 0.016 ms

Below is generated by plot.py at 2018-08-01 17:24:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.26 Mbit/s

95th percentile per-packet one-way delay: 86.754 ms

Loss rate: 0.47%

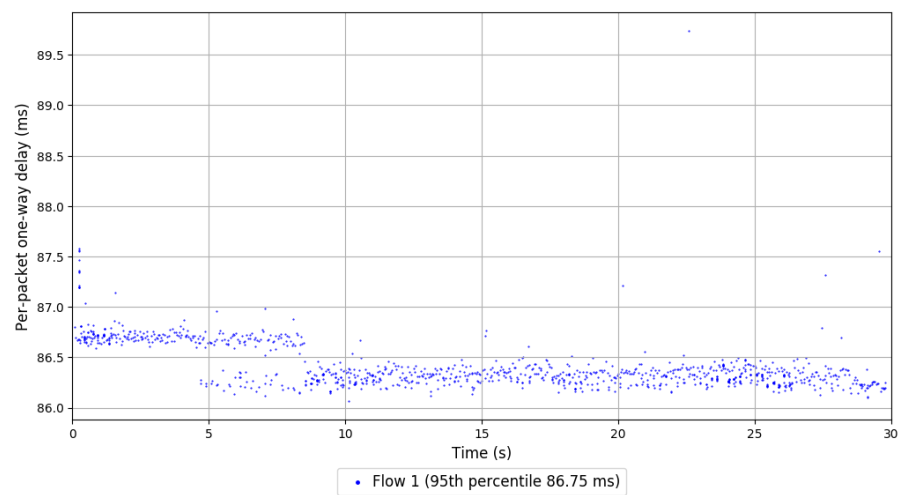
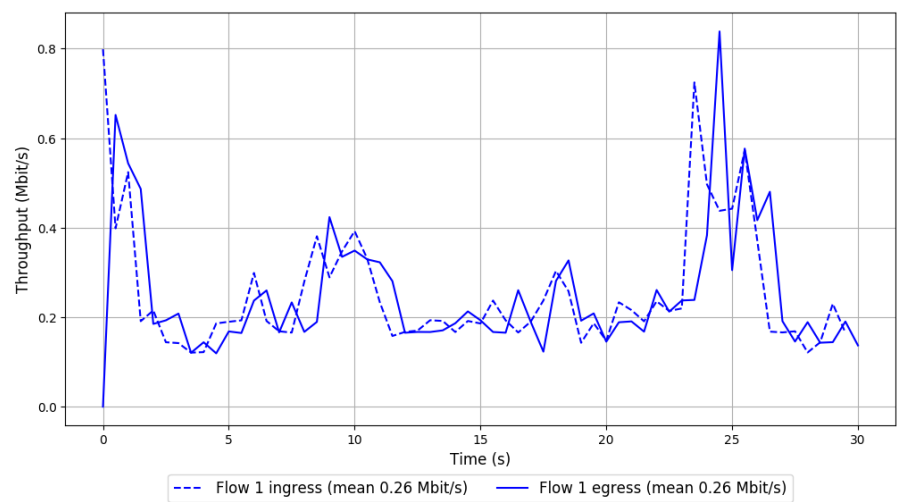
-- Flow 1:

Average throughput: 0.26 Mbit/s

95th percentile per-packet one-way delay: 86.754 ms

Loss rate: 0.47%

Run 10: Report of Sprout — Data Link



Run 1: Statistics of TaoVA-100x

Start at: 2018-08-01 12:18:00

End at: 2018-08-01 12:18:30

Local clock offset: 0.011 ms

Remote clock offset: -0.104 ms

Below is generated by plot.py at 2018-08-01 17:26:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 221.37 Mbit/s

95th percentile per-packet one-way delay: 86.563 ms

Loss rate: 0.69%

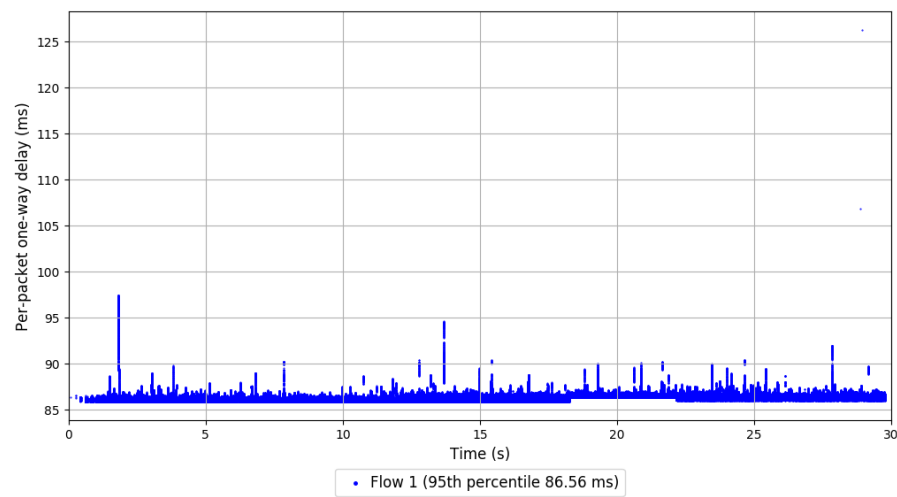
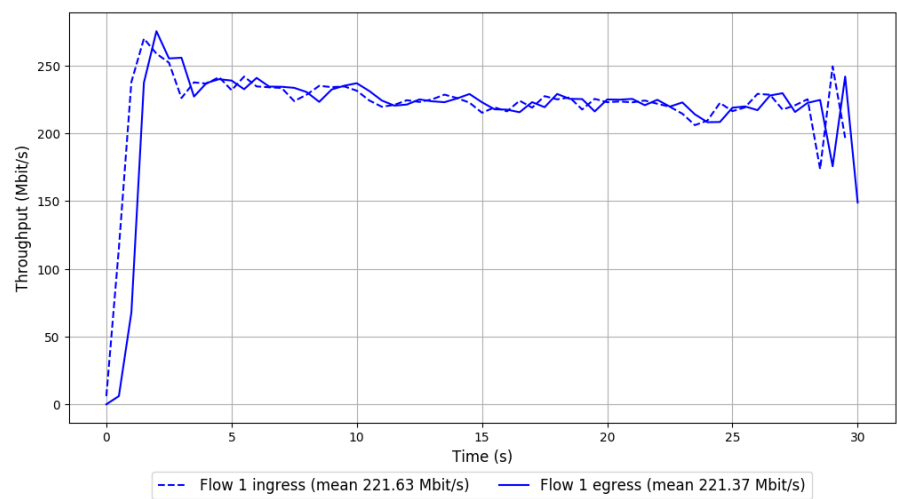
-- Flow 1:

Average throughput: 221.37 Mbit/s

95th percentile per-packet one-way delay: 86.563 ms

Loss rate: 0.69%

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

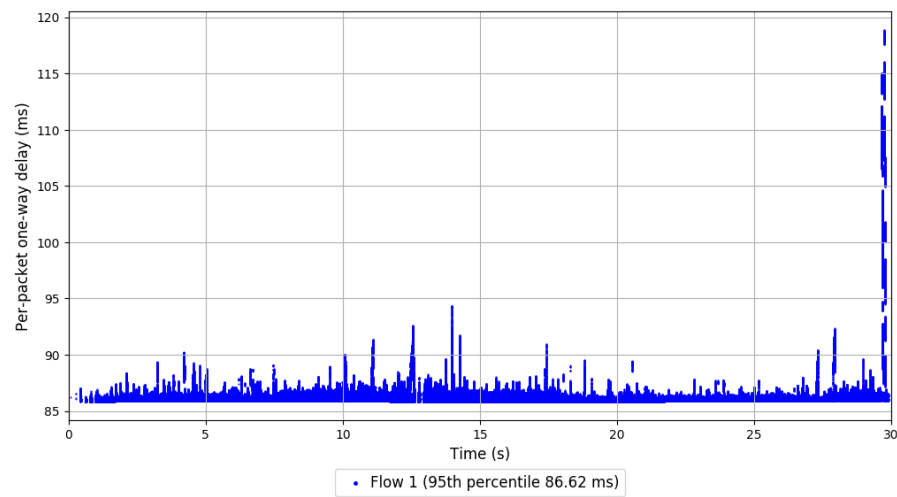
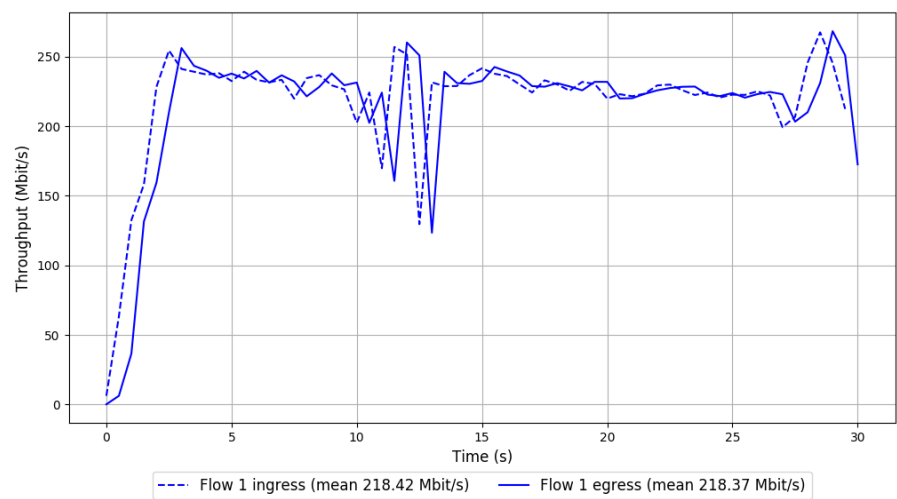


Run 2: Statistics of TaoVA-100x

Start at: 2018-08-01 12:40:11
End at: 2018-08-01 12:40:41
Local clock offset: 0.037 ms
Remote clock offset: -0.103 ms

Below is generated by plot.py at 2018-08-01 17:26:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 218.37 Mbit/s
95th percentile per-packet one-way delay: 86.616 ms
Loss rate: 0.60%
-- Flow 1:
Average throughput: 218.37 Mbit/s
95th percentile per-packet one-way delay: 86.616 ms
Loss rate: 0.60%

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



Run 3: Statistics of TaoVA-100x

Start at: 2018-08-01 13:02:27

End at: 2018-08-01 13:02:57

Local clock offset: -0.084 ms

Remote clock offset: -0.04 ms

Below is generated by plot.py at 2018-08-01 17:26:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 167.38 Mbit/s

95th percentile per-packet one-way delay: 86.909 ms

Loss rate: 0.84%

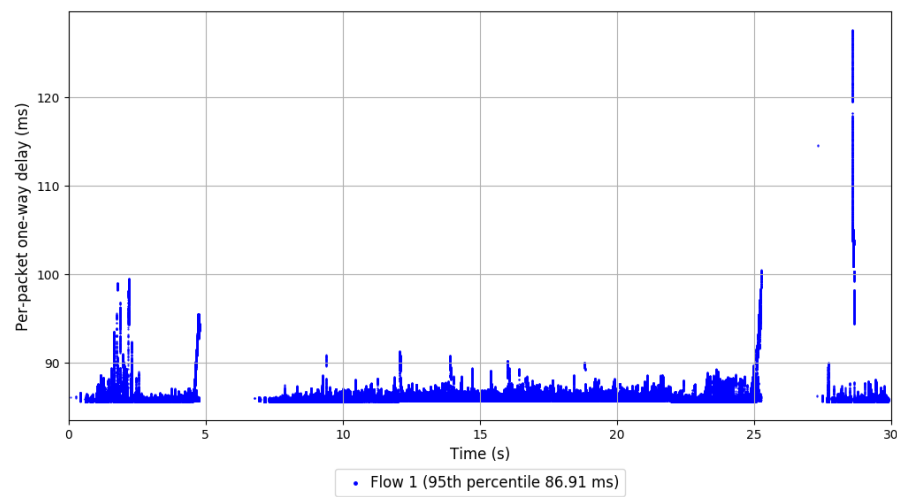
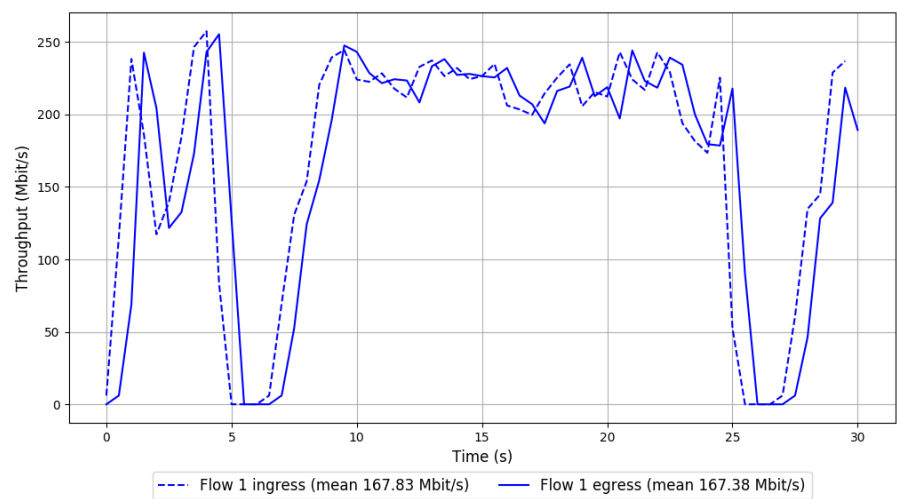
-- Flow 1:

Average throughput: 167.38 Mbit/s

95th percentile per-packet one-way delay: 86.909 ms

Loss rate: 0.84%

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



Run 4: Statistics of TaoVA-100x

Start at: 2018-08-01 13:24:27

End at: 2018-08-01 13:24:57

Local clock offset: 0.17 ms

Remote clock offset: -0.096 ms

Below is generated by plot.py at 2018-08-01 17:26:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 218.17 Mbit/s

95th percentile per-packet one-way delay: 86.772 ms

Loss rate: 0.60%

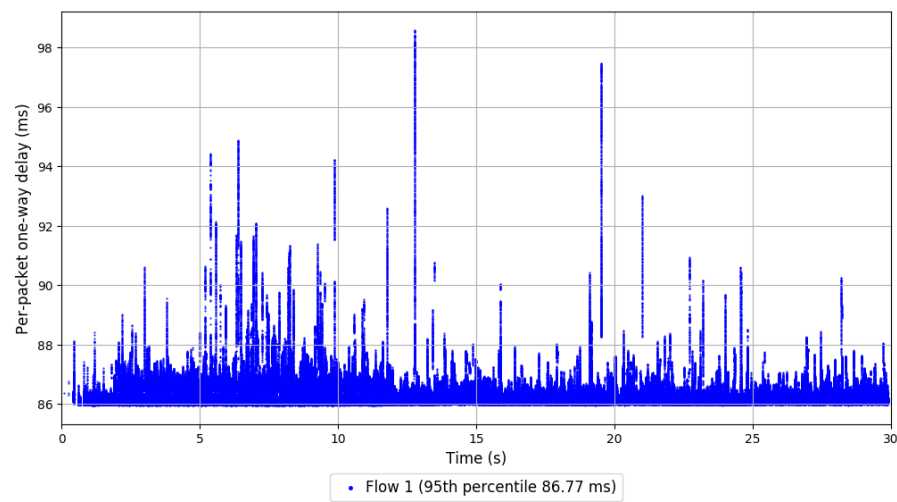
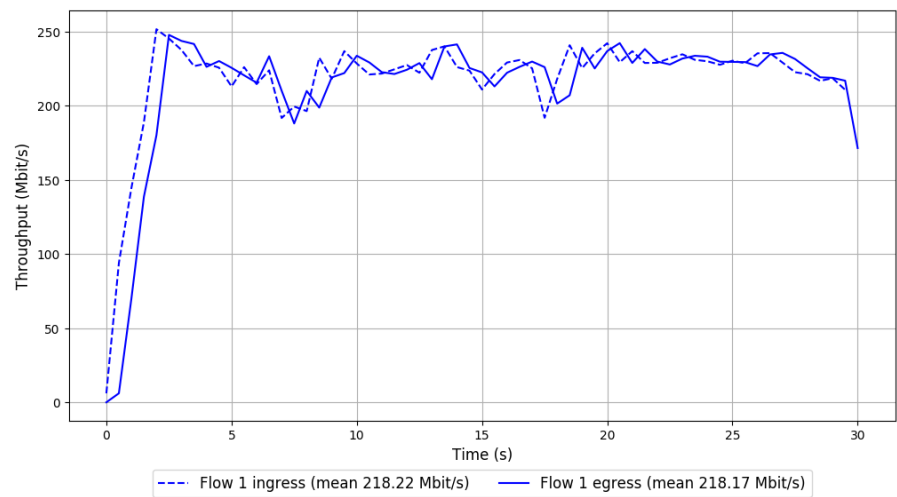
-- Flow 1:

Average throughput: 218.17 Mbit/s

95th percentile per-packet one-way delay: 86.772 ms

Loss rate: 0.60%

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

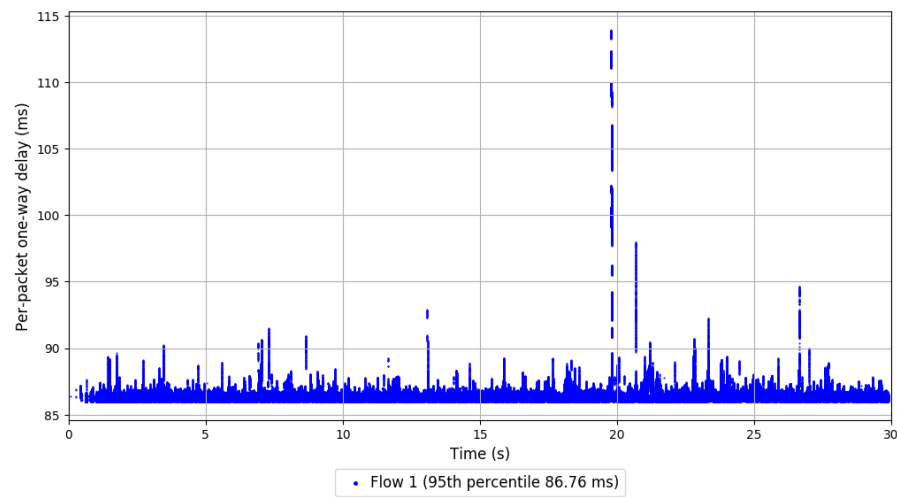
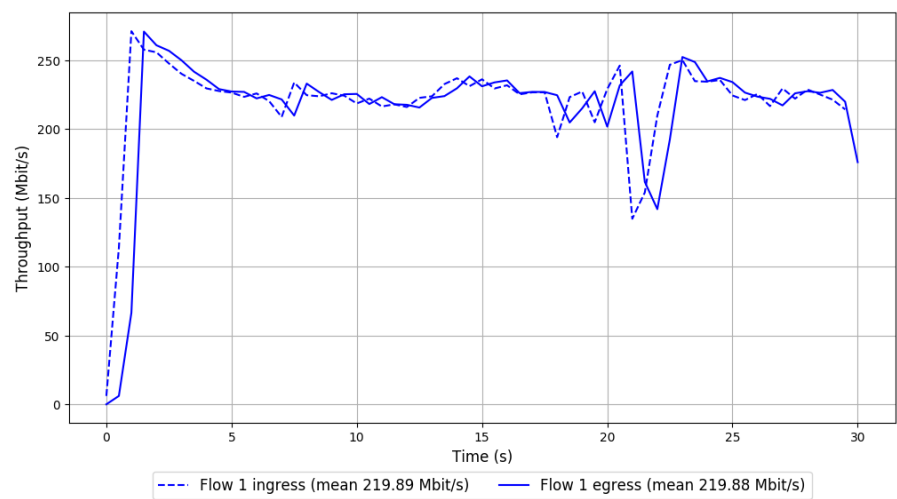


Run 5: Statistics of TaoVA-100x

Start at: 2018-08-01 13:46:41
End at: 2018-08-01 13:47:11
Local clock offset: 0.048 ms
Remote clock offset: -0.051 ms

Below is generated by plot.py at 2018-08-01 17:26:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 219.88 Mbit/s
95th percentile per-packet one-way delay: 86.762 ms
Loss rate: 0.58%
-- Flow 1:
Average throughput: 219.88 Mbit/s
95th percentile per-packet one-way delay: 86.762 ms
Loss rate: 0.58%

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



Run 6: Statistics of TaoVA-100x

Start at: 2018-08-01 14:09:08

End at: 2018-08-01 14:09:38

Local clock offset: 0.226 ms

Remote clock offset: -0.09 ms

Below is generated by plot.py at 2018-08-01 17:27:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 204.11 Mbit/s

95th percentile per-packet one-way delay: 87.061 ms

Loss rate: 0.64%

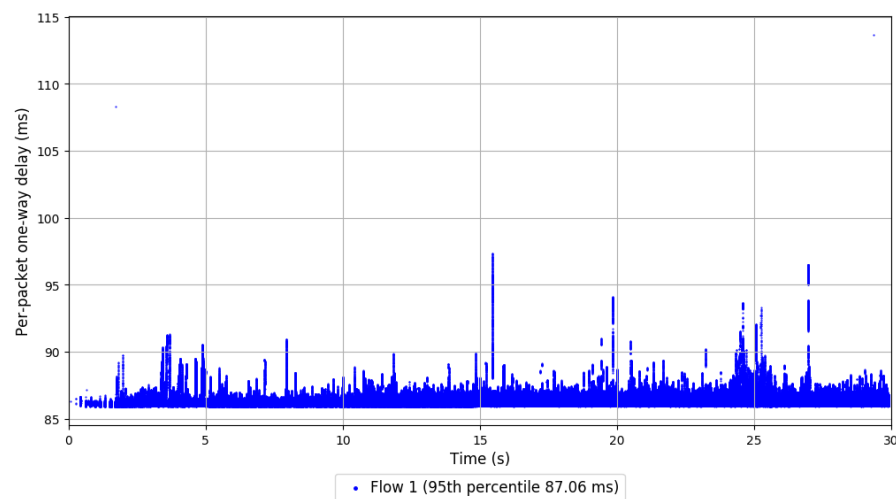
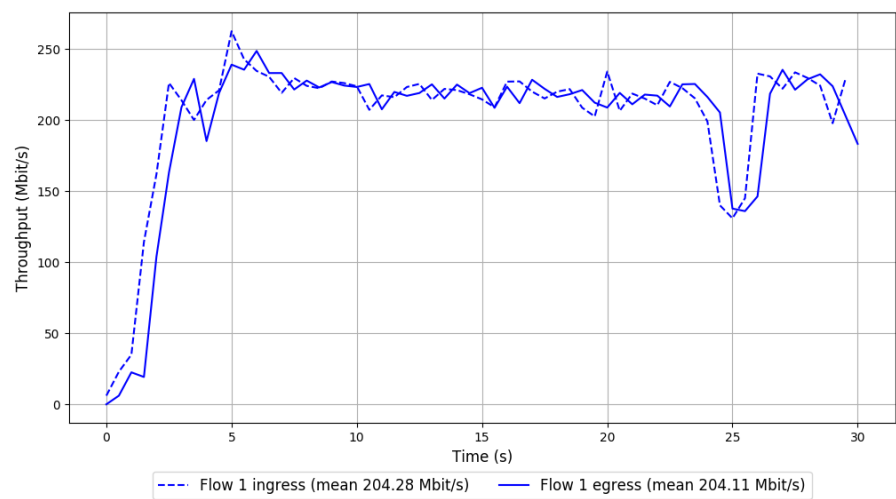
-- Flow 1:

Average throughput: 204.11 Mbit/s

95th percentile per-packet one-way delay: 87.061 ms

Loss rate: 0.64%

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



Run 7: Statistics of TaoVA-100x

Start at: 2018-08-01 14:31:20

End at: 2018-08-01 14:31:50

Local clock offset: 0.163 ms

Remote clock offset: -0.16 ms

Below is generated by plot.py at 2018-08-01 17:28:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 209.94 Mbit/s

95th percentile per-packet one-way delay: 87.443 ms

Loss rate: 0.56%

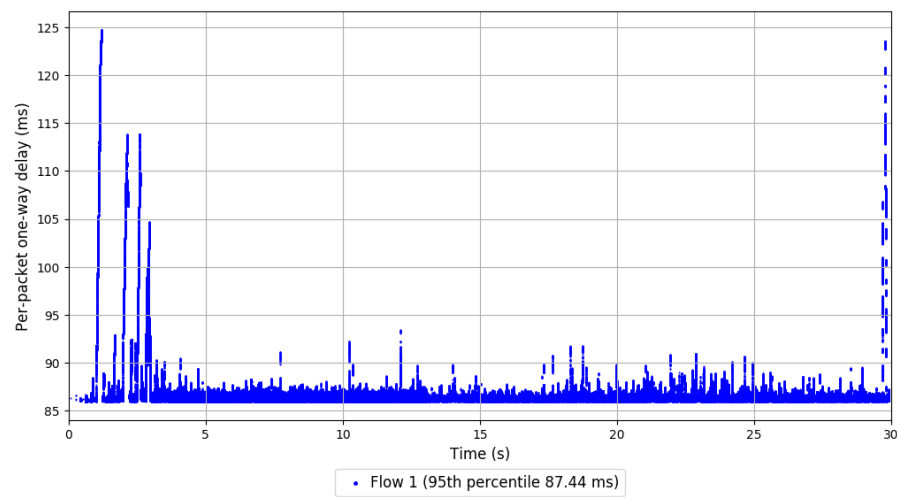
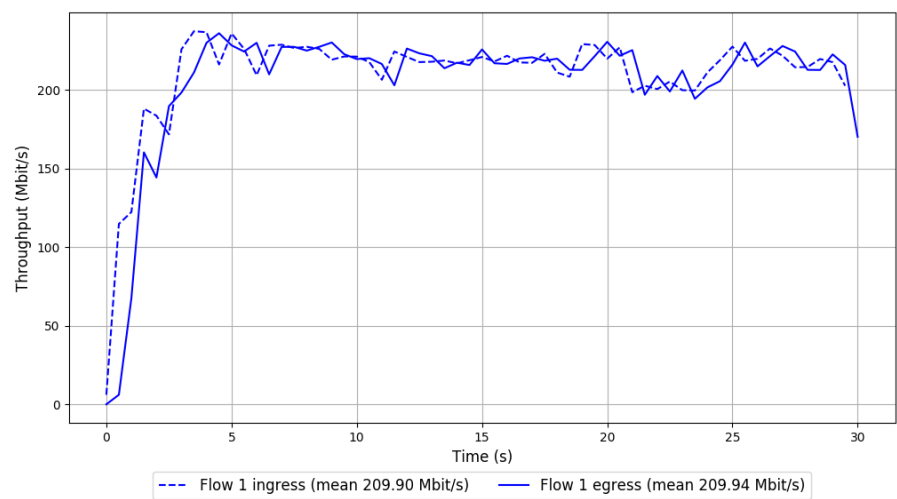
-- Flow 1:

Average throughput: 209.94 Mbit/s

95th percentile per-packet one-way delay: 87.443 ms

Loss rate: 0.56%

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



Run 8: Statistics of TaoVA-100x

Start at: 2018-08-01 14:53:35

End at: 2018-08-01 14:54:05

Local clock offset: 0.005 ms

Remote clock offset: -0.168 ms

Below is generated by plot.py at 2018-08-01 17:31:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 219.64 Mbit/s

95th percentile per-packet one-way delay: 86.828 ms

Loss rate: 0.46%

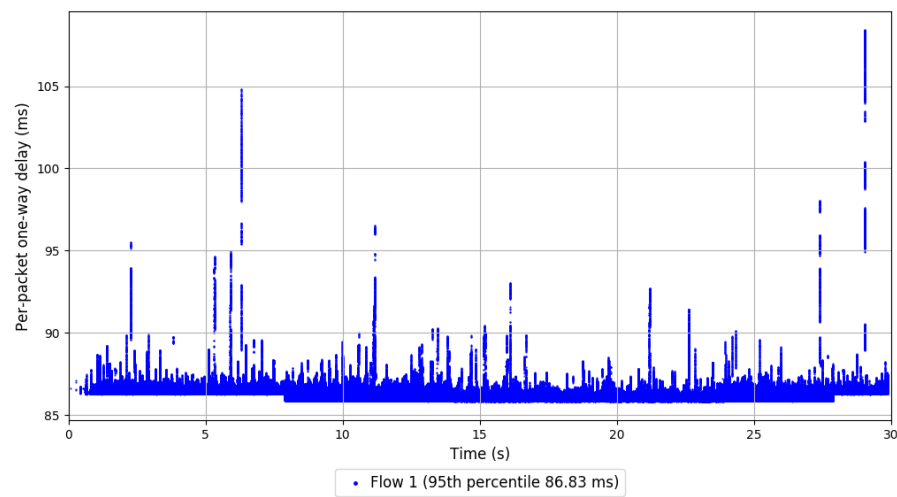
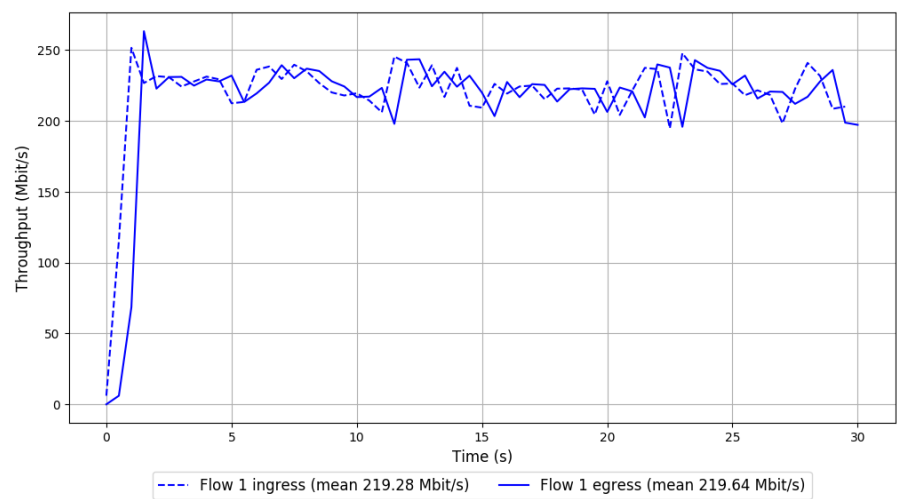
-- Flow 1:

Average throughput: 219.64 Mbit/s

95th percentile per-packet one-way delay: 86.828 ms

Loss rate: 0.46%

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

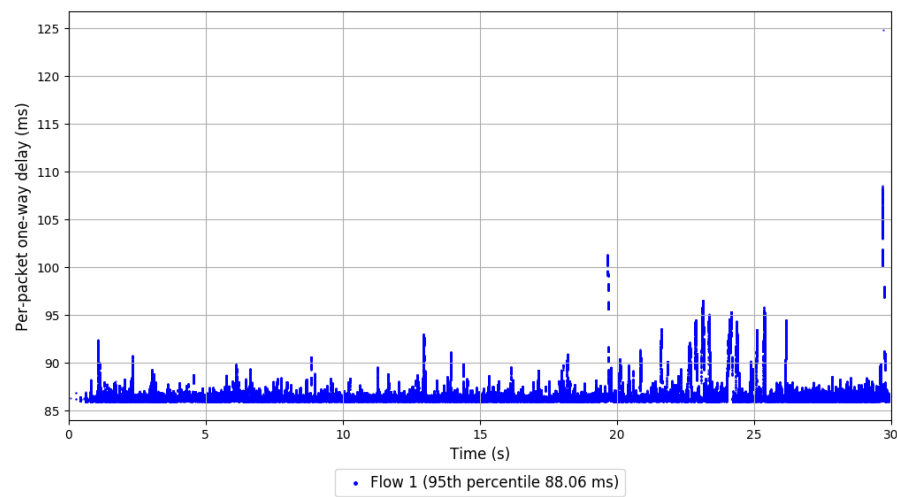
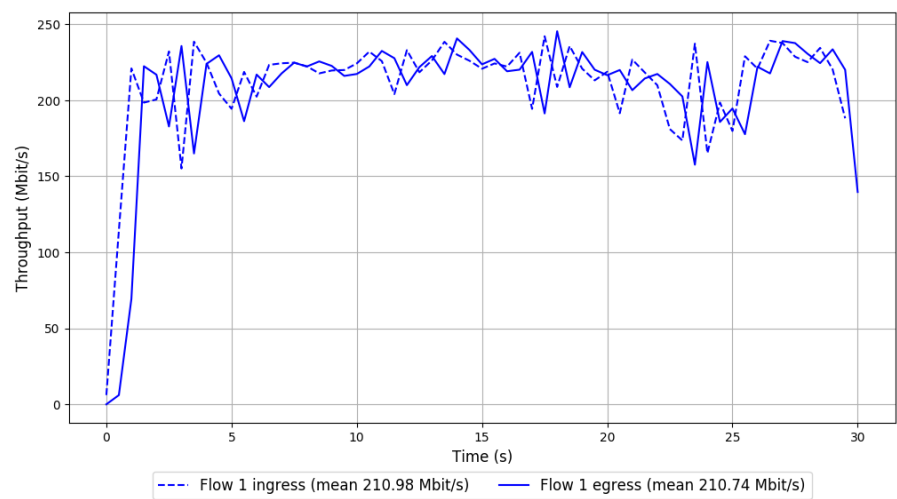


Run 9: Statistics of TaoVA-100x

Start at: 2018-08-01 15:15:43
End at: 2018-08-01 15:16:13
Local clock offset: 0.221 ms
Remote clock offset: -0.151 ms

Below is generated by plot.py at 2018-08-01 17:31:40
Datalink statistics
-- Total of 1 flow:
Average throughput: 210.74 Mbit/s
95th percentile per-packet one-way delay: 88.064 ms
Loss rate: 0.69%
-- Flow 1:
Average throughput: 210.74 Mbit/s
95th percentile per-packet one-way delay: 88.064 ms
Loss rate: 0.69%

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



Run 10: Statistics of TaoVA-100x

Start at: 2018-08-01 15:37:39

End at: 2018-08-01 15:38:09

Local clock offset: 0.028 ms

Remote clock offset: -0.031 ms

Below is generated by plot.py at 2018-08-01 17:32:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 209.34 Mbit/s

95th percentile per-packet one-way delay: 86.989 ms

Loss rate: 0.65%

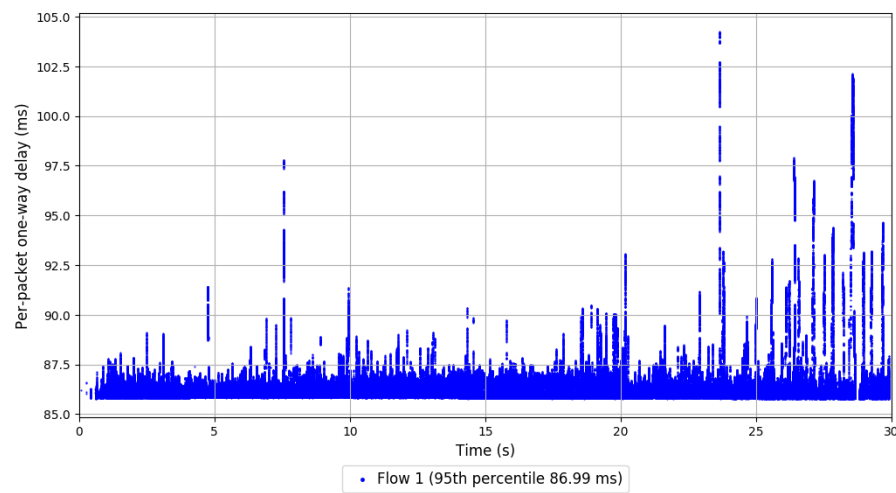
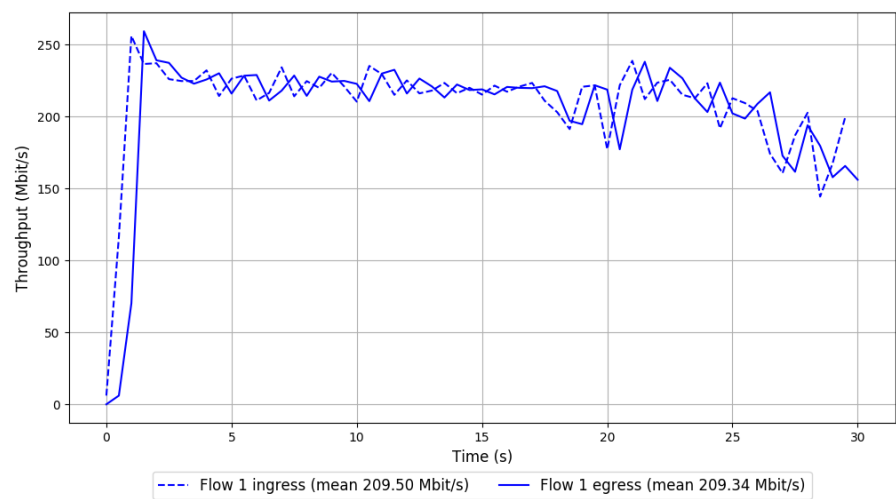
-- Flow 1:

Average throughput: 209.34 Mbit/s

95th percentile per-packet one-way delay: 86.989 ms

Loss rate: 0.65%

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

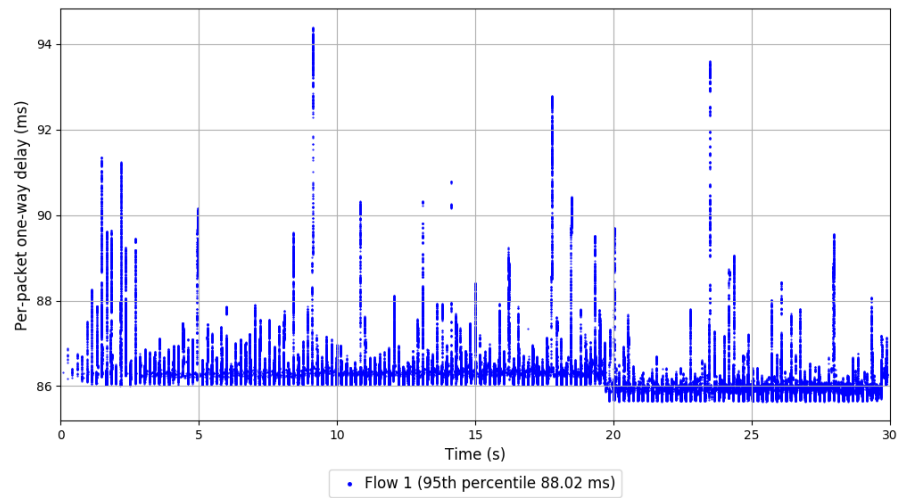
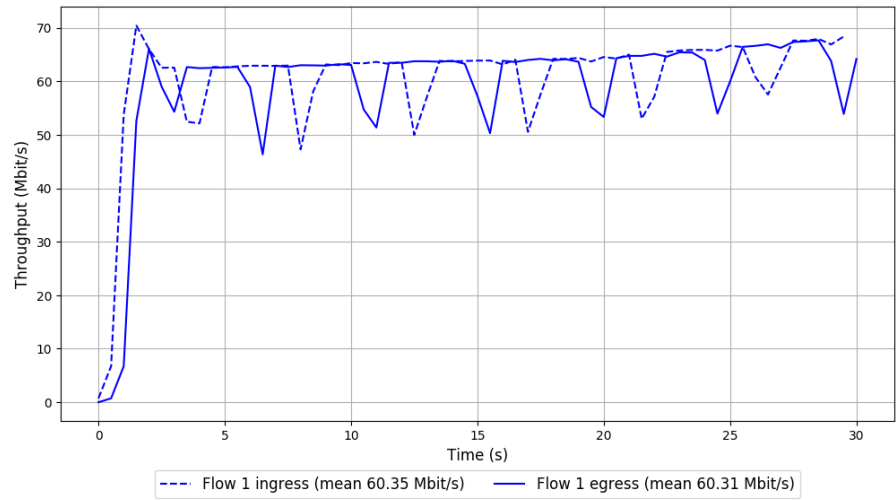


Run 1: Statistics of TCP Vegas

Start at: 2018-08-01 12:32:59
End at: 2018-08-01 12:33:29
Local clock offset: -0.254 ms
Remote clock offset: -0.158 ms

Below is generated by plot.py at 2018-08-01 17:32:45
Datalink statistics
-- Total of 1 flow:
Average throughput: 60.31 Mbit/s
95th percentile per-packet one-way delay: 88.015 ms
Loss rate: 0.63%
-- Flow 1:
Average throughput: 60.31 Mbit/s
95th percentile per-packet one-way delay: 88.015 ms
Loss rate: 0.63%

Run 1: Report of TCP Vegas — Data Link

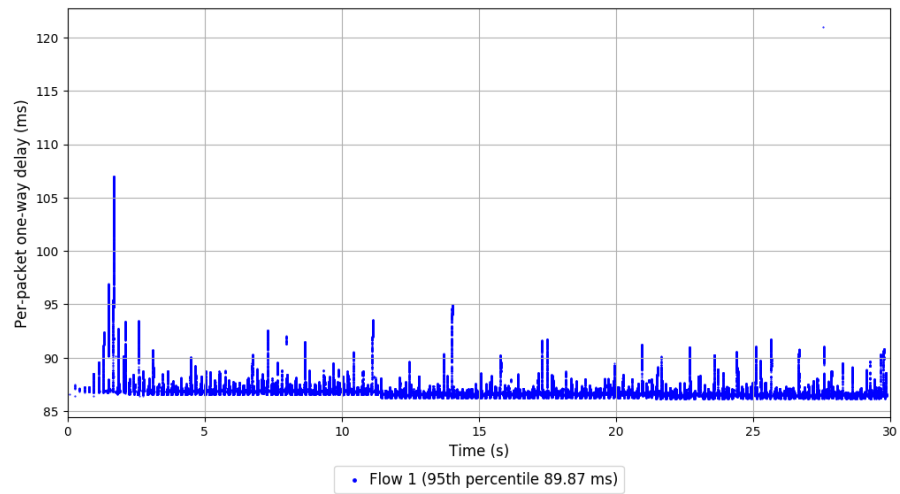
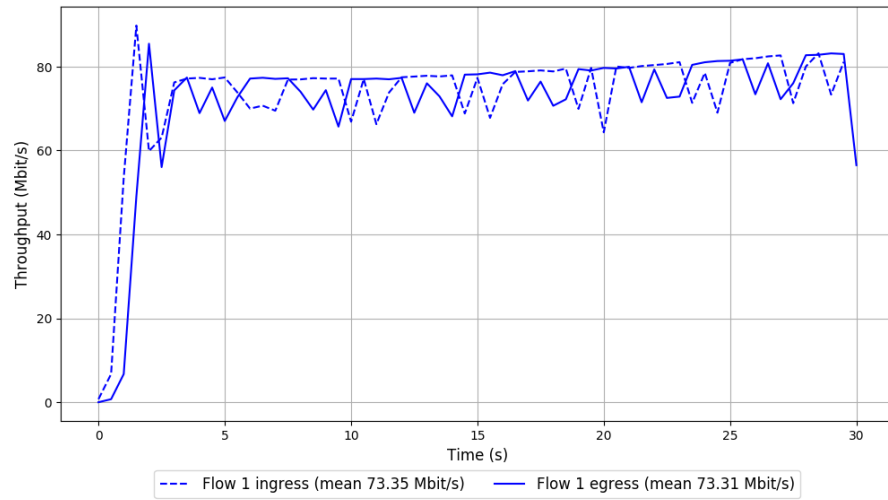


Run 2: Statistics of TCP Vegas

Start at: 2018-08-01 12:55:17
End at: 2018-08-01 12:55:47
Local clock offset: 0.342 ms
Remote clock offset: -0.081 ms

Below is generated by plot.py at 2018-08-01 17:32:45
Datalink statistics
-- Total of 1 flow:
Average throughput: 73.31 Mbit/s
95th percentile per-packet one-way delay: 89.874 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 73.31 Mbit/s
95th percentile per-packet one-way delay: 89.874 ms
Loss rate: 0.64%

Run 2: Report of TCP Vegas — Data Link

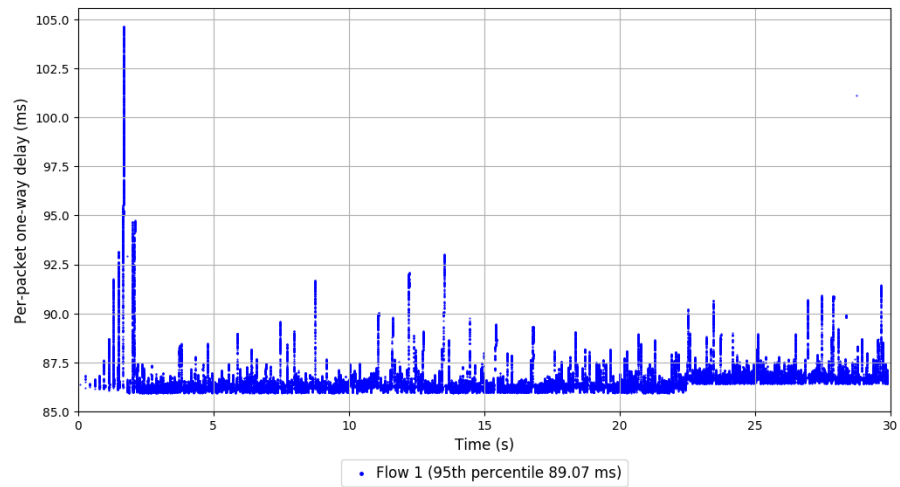
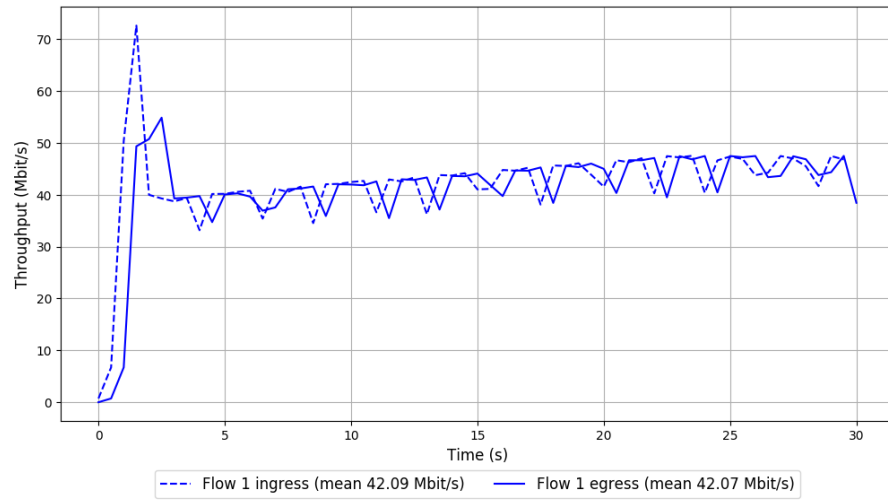


Run 3: Statistics of TCP Vegas

Start at: 2018-08-01 13:17:16
End at: 2018-08-01 13:17:46
Local clock offset: 0.21 ms
Remote clock offset: -0.039 ms

Below is generated by plot.py at 2018-08-01 17:32:45
Datalink statistics
-- Total of 1 flow:
Average throughput: 42.07 Mbit/s
95th percentile per-packet one-way delay: 89.073 ms
Loss rate: 0.63%
-- Flow 1:
Average throughput: 42.07 Mbit/s
95th percentile per-packet one-way delay: 89.073 ms
Loss rate: 0.63%

Run 3: Report of TCP Vegas — Data Link

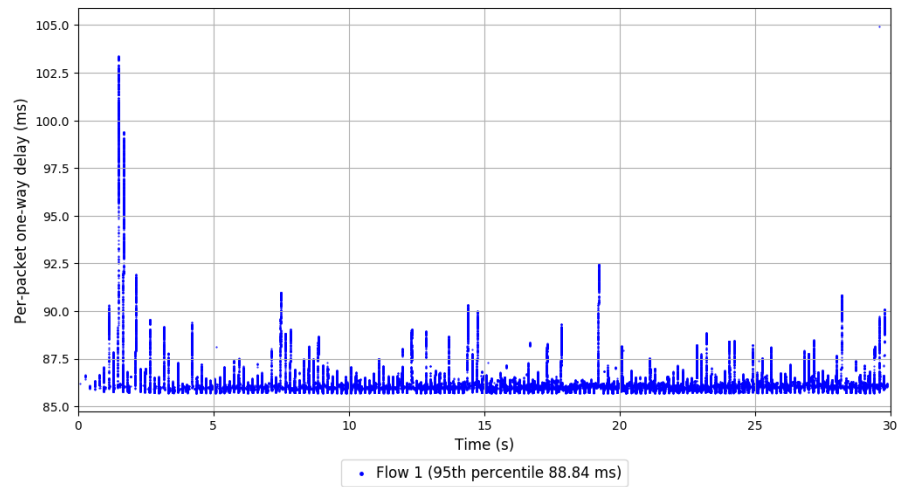
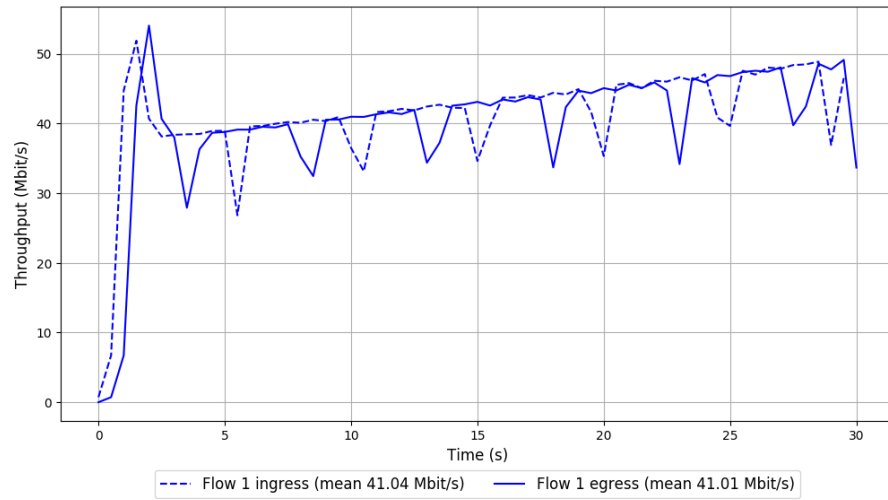


Run 4: Statistics of TCP Vegas

Start at: 2018-08-01 13:39:34
End at: 2018-08-01 13:40:04
Local clock offset: -0.111 ms
Remote clock offset: -0.093 ms

Below is generated by plot.py at 2018-08-01 17:32:45
Datalink statistics
-- Total of 1 flow:
Average throughput: 41.01 Mbit/s
95th percentile per-packet one-way delay: 88.842 ms
Loss rate: 0.67%
-- Flow 1:
Average throughput: 41.01 Mbit/s
95th percentile per-packet one-way delay: 88.842 ms
Loss rate: 0.67%

Run 4: Report of TCP Vegas — Data Link

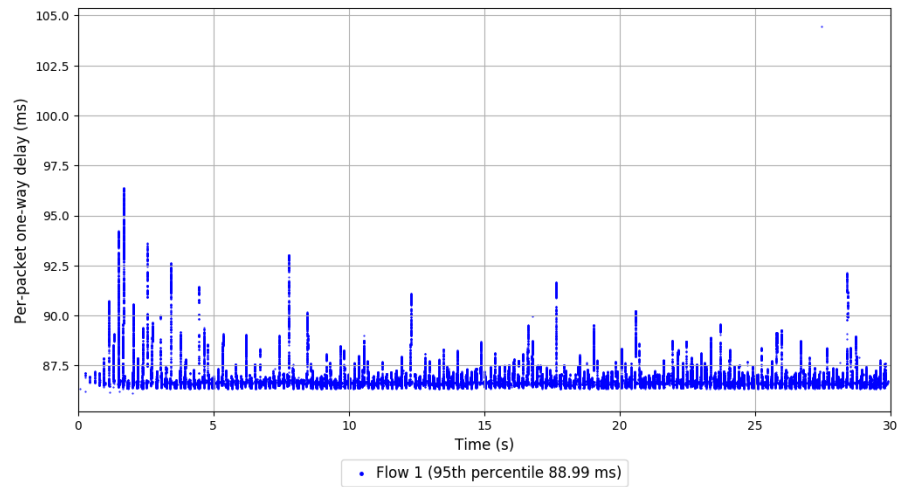
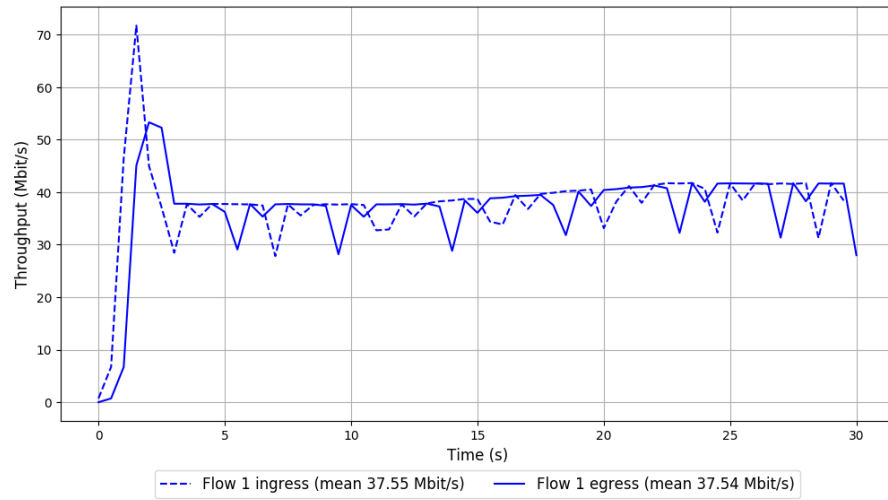


Run 5: Statistics of TCP Vegas

Start at: 2018-08-01 14:02:00
End at: 2018-08-01 14:02:30
Local clock offset: 0.173 ms
Remote clock offset: -0.085 ms

Below is generated by plot.py at 2018-08-01 17:32:45
Datalink statistics
-- Total of 1 flow:
Average throughput: 37.54 Mbit/s
95th percentile per-packet one-way delay: 88.993 ms
Loss rate: 0.62%
-- Flow 1:
Average throughput: 37.54 Mbit/s
95th percentile per-packet one-way delay: 88.993 ms
Loss rate: 0.62%

Run 5: Report of TCP Vegas — Data Link

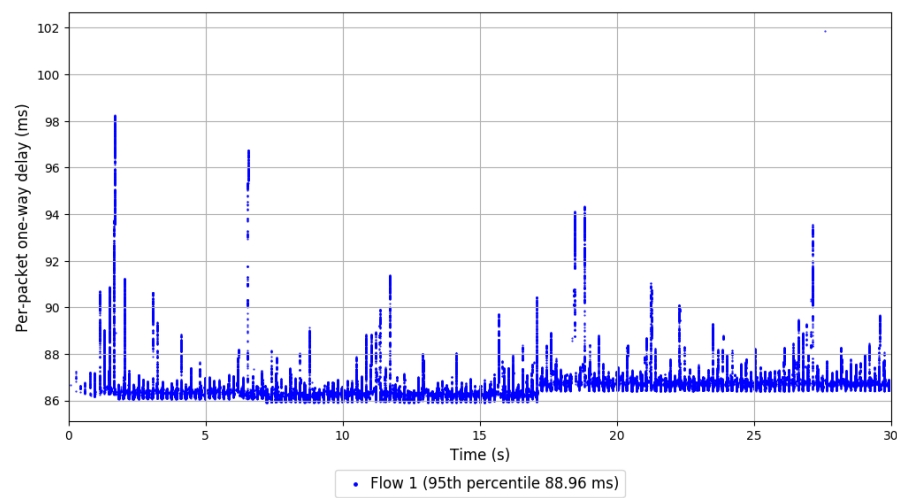
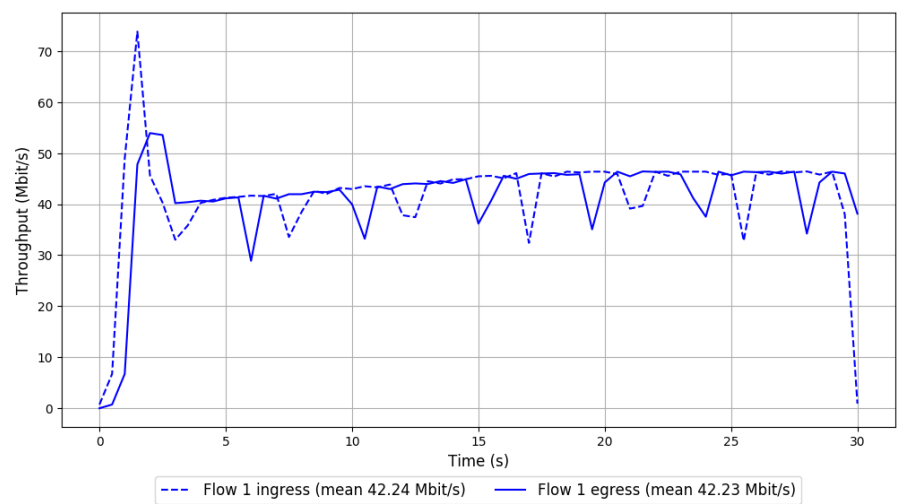


Run 6: Statistics of TCP Vegas

Start at: 2018-08-01 14:24:12
End at: 2018-08-01 14:24:42
Local clock offset: 0.187 ms
Remote clock offset: -0.108 ms

Below is generated by plot.py at 2018-08-01 17:32:45
Datalink statistics
-- Total of 1 flow:
Average throughput: 42.23 Mbit/s
95th percentile per-packet one-way delay: 88.956 ms
Loss rate: 0.61%
-- Flow 1:
Average throughput: 42.23 Mbit/s
95th percentile per-packet one-way delay: 88.956 ms
Loss rate: 0.61%

Run 6: Report of TCP Vegas — Data Link

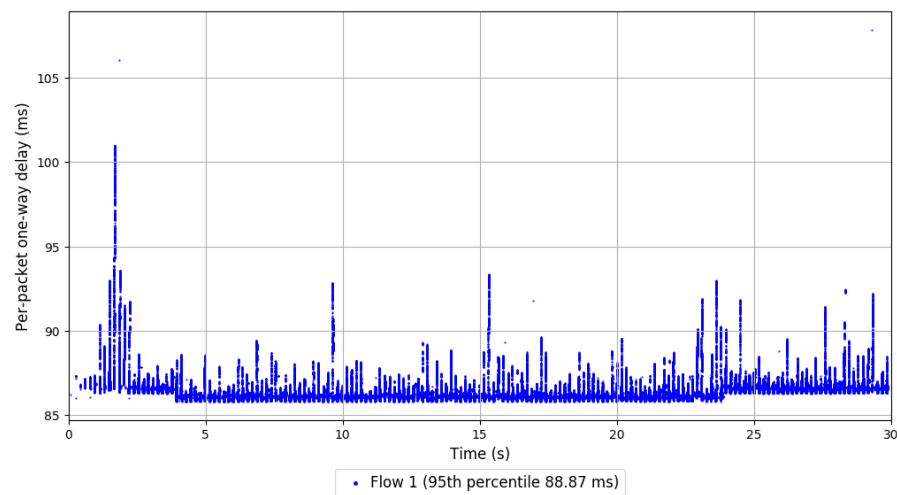
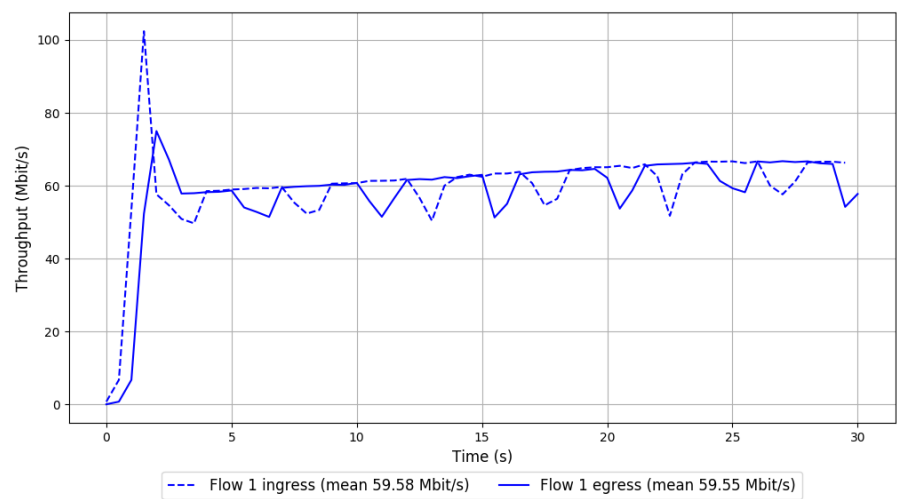


Run 7: Statistics of TCP Vegas

Start at: 2018-08-01 14:46:25
End at: 2018-08-01 14:46:55
Local clock offset: -0.012 ms
Remote clock offset: -0.145 ms

Below is generated by plot.py at 2018-08-01 17:32:45
Datalink statistics
-- Total of 1 flow:
Average throughput: 59.55 Mbit/s
95th percentile per-packet one-way delay: 88.866 ms
Loss rate: 0.62%
-- Flow 1:
Average throughput: 59.55 Mbit/s
95th percentile per-packet one-way delay: 88.866 ms
Loss rate: 0.62%

Run 7: Report of TCP Vegas — Data Link

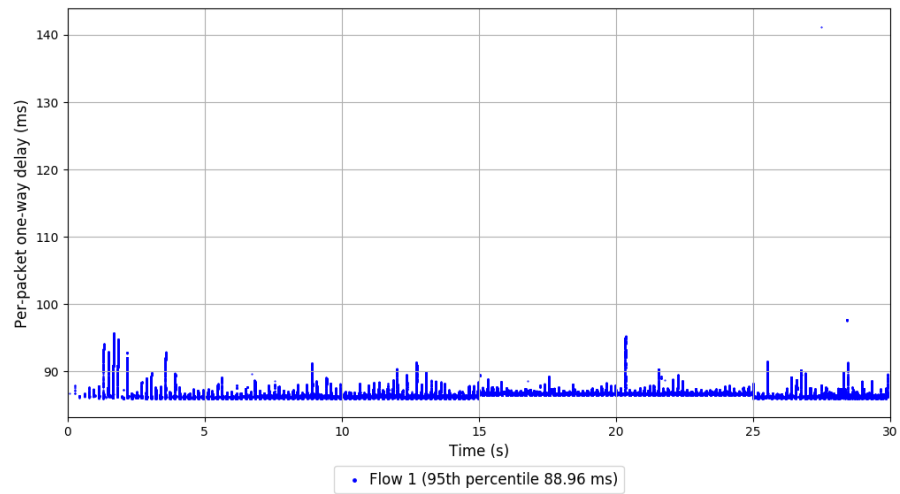
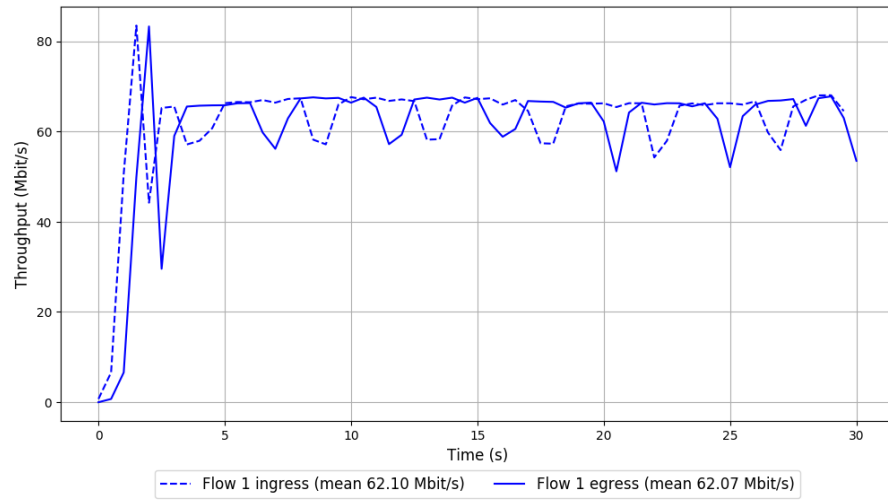


Run 8: Statistics of TCP Vegas

Start at: 2018-08-01 15:08:34
End at: 2018-08-01 15:09:04
Local clock offset: 0.245 ms
Remote clock offset: -0.171 ms

Below is generated by plot.py at 2018-08-01 17:32:45
Datalink statistics
-- Total of 1 flow:
Average throughput: 62.07 Mbit/s
95th percentile per-packet one-way delay: 88.956 ms
Loss rate: 0.61%
-- Flow 1:
Average throughput: 62.07 Mbit/s
95th percentile per-packet one-way delay: 88.956 ms
Loss rate: 0.61%

Run 8: Report of TCP Vegas — Data Link

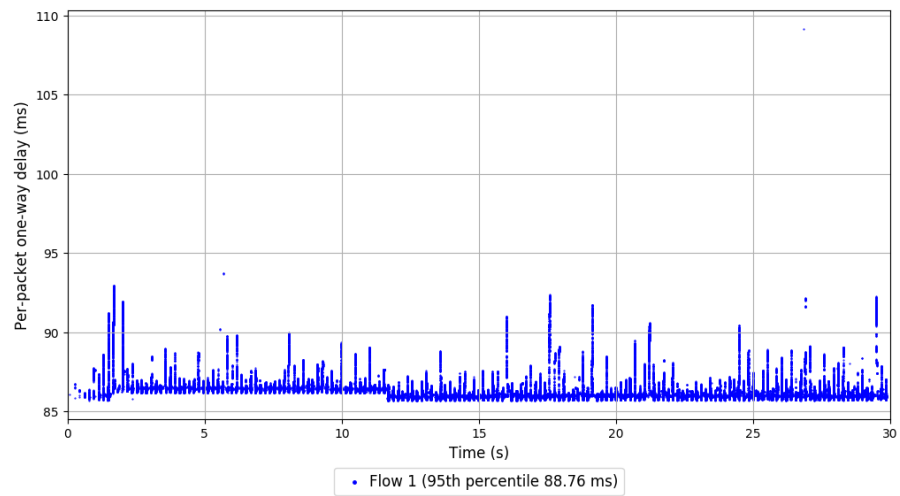
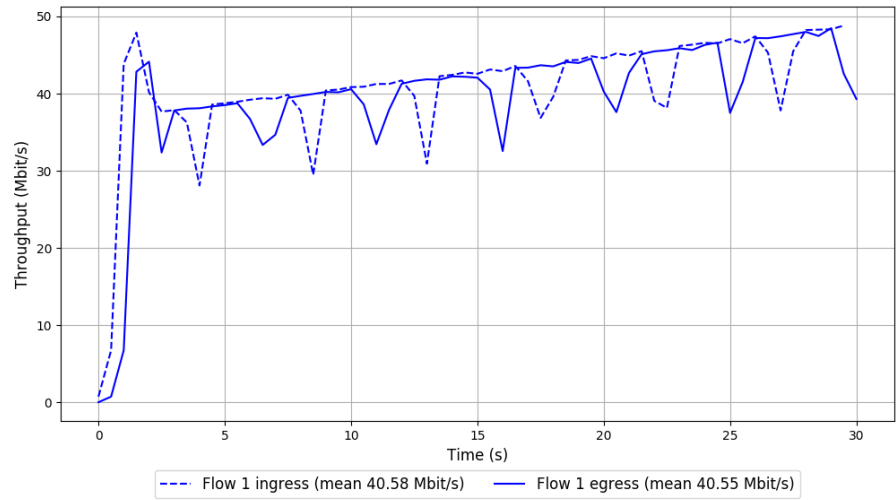


Run 9: Statistics of TCP Vegas

Start at: 2018-08-01 15:30:27
End at: 2018-08-01 15:30:57
Local clock offset: -0.066 ms
Remote clock offset: -0.107 ms

Below is generated by plot.py at 2018-08-01 17:32:45
Datalink statistics
-- Total of 1 flow:
Average throughput: 40.55 Mbit/s
95th percentile per-packet one-way delay: 88.757 ms
Loss rate: 0.67%
-- Flow 1:
Average throughput: 40.55 Mbit/s
95th percentile per-packet one-way delay: 88.757 ms
Loss rate: 0.67%

Run 9: Report of TCP Vegas — Data Link



Run 10: Statistics of TCP Vegas

Start at: 2018-08-01 15:52:48

End at: 2018-08-01 15:53:18

Local clock offset: -0.097 ms

Remote clock offset: 0.006 ms

Below is generated by plot.py at 2018-08-01 17:32:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 44.81 Mbit/s

95th percentile per-packet one-way delay: 87.411 ms

Loss rate: 0.63%

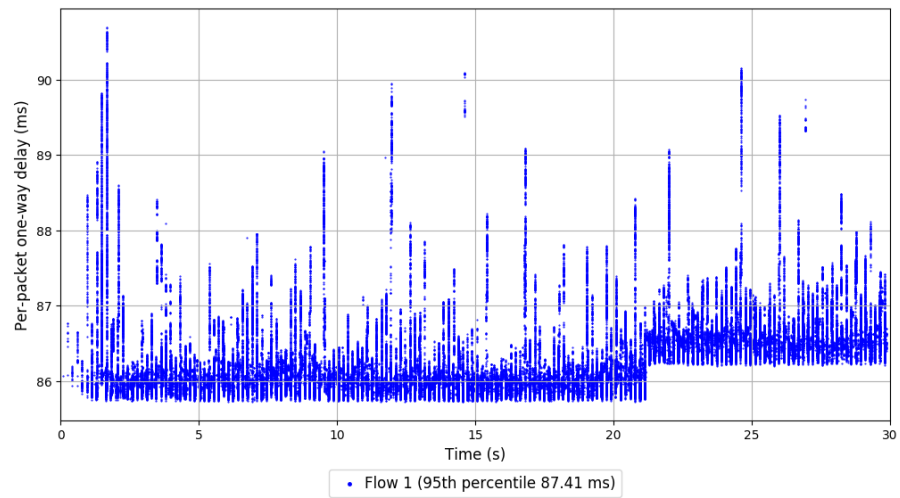
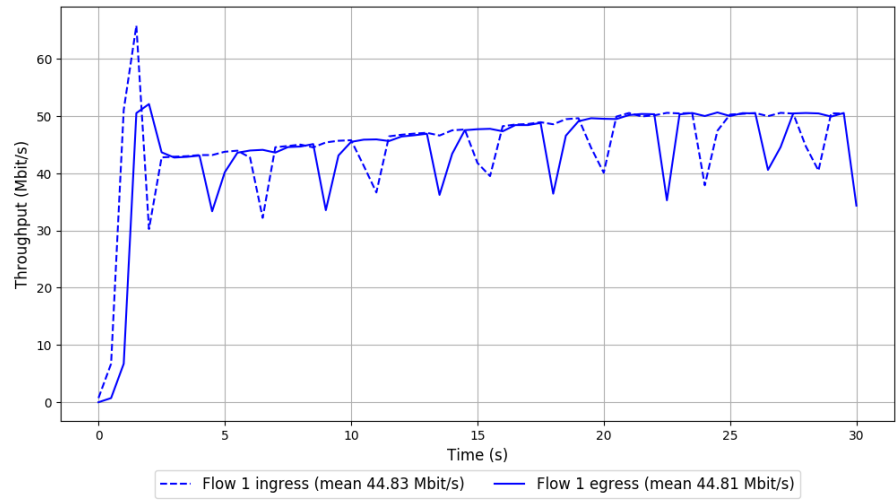
-- Flow 1:

Average throughput: 44.81 Mbit/s

95th percentile per-packet one-way delay: 87.411 ms

Loss rate: 0.63%

Run 10: Report of TCP Vegas — Data Link

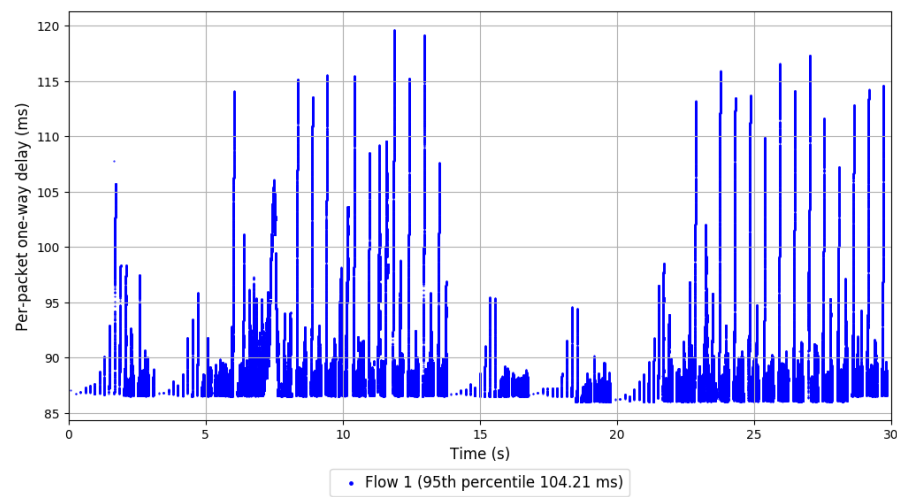
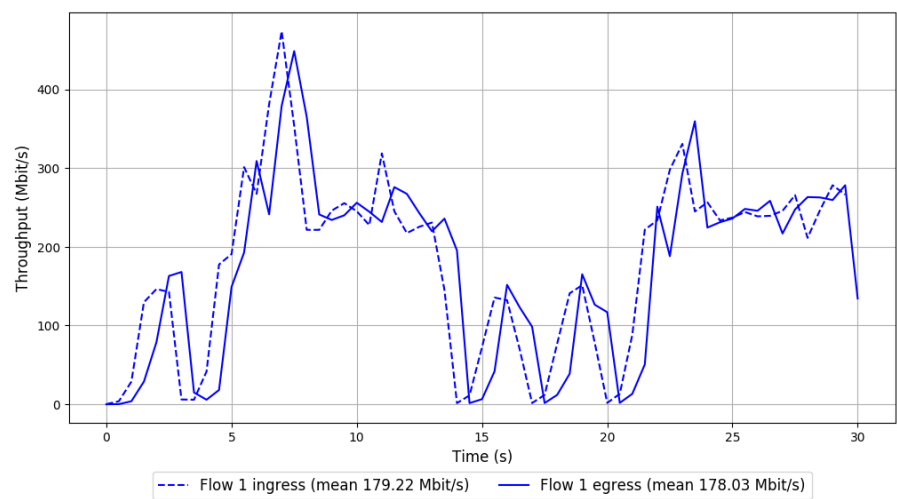


Run 1: Statistics of Verus

Start at: 2018-08-01 12:26:30
End at: 2018-08-01 12:27:00
Local clock offset: 0.153 ms
Remote clock offset: -0.113 ms

Below is generated by plot.py at 2018-08-01 17:32:45
Datalink statistics
-- Total of 1 flow:
Average throughput: 178.03 Mbit/s
95th percentile per-packet one-way delay: 104.208 ms
Loss rate: 1.23%
-- Flow 1:
Average throughput: 178.03 Mbit/s
95th percentile per-packet one-way delay: 104.208 ms
Loss rate: 1.23%

Run 1: Report of Verus — Data Link

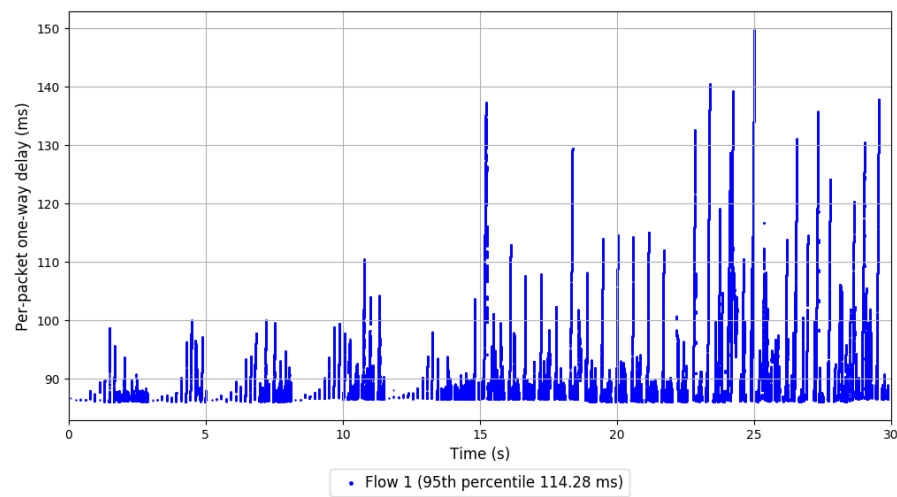
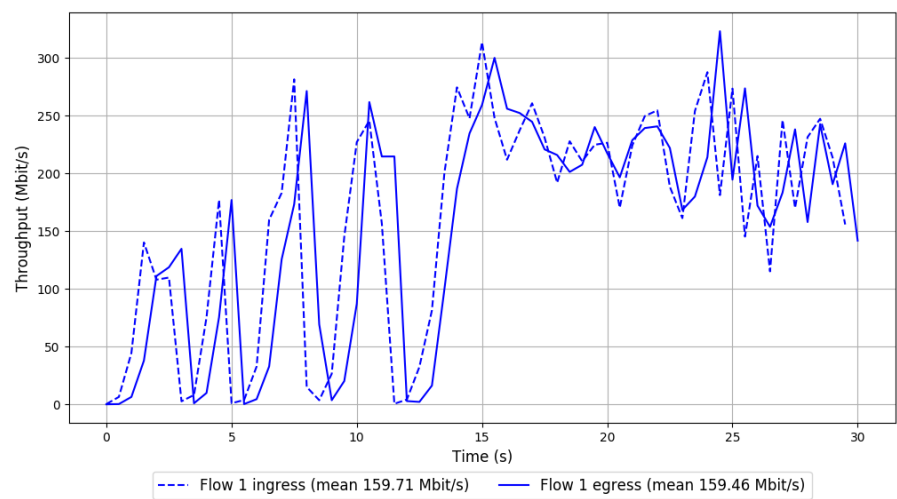


Run 2: Statistics of Verus

Start at: 2018-08-01 12:48:40
End at: 2018-08-01 12:49:10
Local clock offset: 0.197 ms
Remote clock offset: -0.068 ms

Below is generated by plot.py at 2018-08-01 17:32:45
Datalink statistics
-- Total of 1 flow:
Average throughput: 159.46 Mbit/s
95th percentile per-packet one-way delay: 114.283 ms
Loss rate: 0.71%
-- Flow 1:
Average throughput: 159.46 Mbit/s
95th percentile per-packet one-way delay: 114.283 ms
Loss rate: 0.71%

Run 2: Report of Verus — Data Link

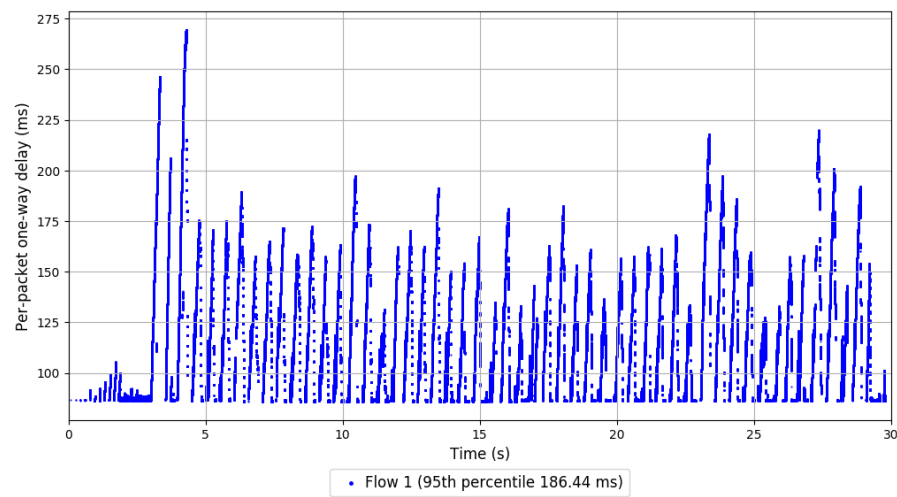
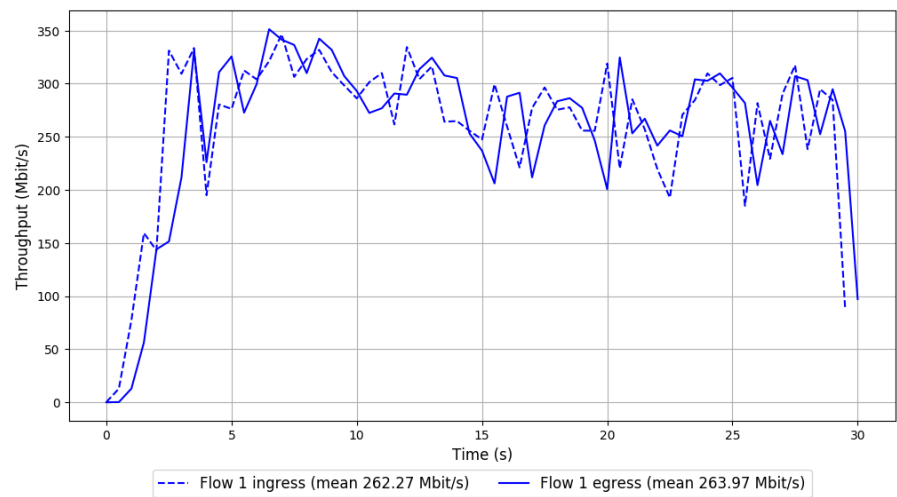


Run 3: Statistics of Verus

Start at: 2018-08-01 13:10:32
End at: 2018-08-01 13:11:02
Local clock offset: 0.077 ms
Remote clock offset: -0.032 ms

Below is generated by plot.py at 2018-08-01 17:33:17
Datalink statistics
-- Total of 1 flow:
Average throughput: 263.97 Mbit/s
95th percentile per-packet one-way delay: 186.442 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 263.97 Mbit/s
95th percentile per-packet one-way delay: 186.442 ms
Loss rate: 0.19%

Run 3: Report of Verus — Data Link

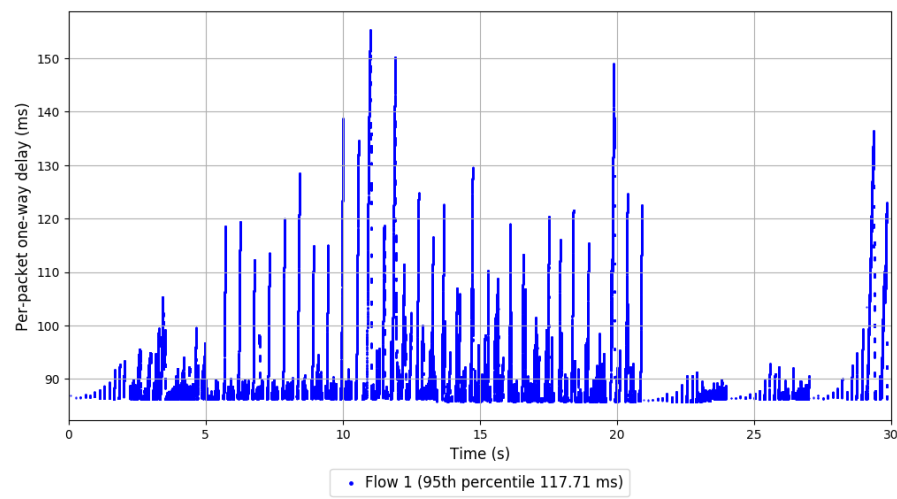
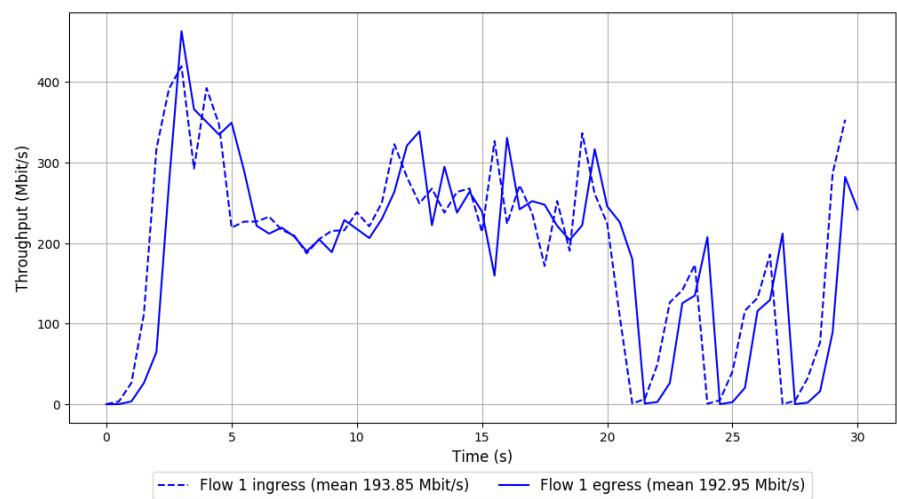


Run 4: Statistics of Verus

Start at: 2018-08-01 13:32:55
End at: 2018-08-01 13:33:25
Local clock offset: -0.087 ms
Remote clock offset: -0.105 ms

Below is generated by plot.py at 2018-08-01 17:33:17
Datalink statistics
-- Total of 1 flow:
Average throughput: 192.95 Mbit/s
95th percentile per-packet one-way delay: 117.708 ms
Loss rate: 1.05%
-- Flow 1:
Average throughput: 192.95 Mbit/s
95th percentile per-packet one-way delay: 117.708 ms
Loss rate: 1.05%

Run 4: Report of Verus — Data Link

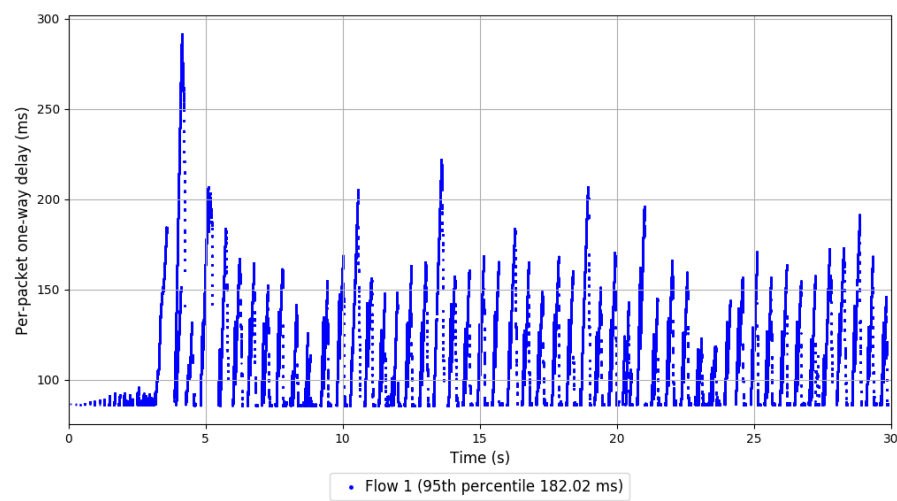
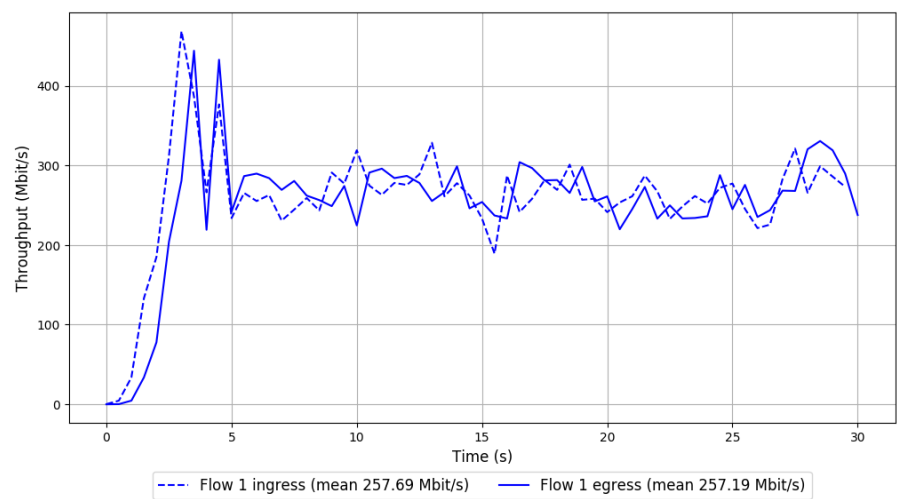


Run 5: Statistics of Verus

Start at: 2018-08-01 13:55:15
End at: 2018-08-01 13:55:45
Local clock offset: -0.163 ms
Remote clock offset: -0.041 ms

Below is generated by plot.py at 2018-08-01 17:33:25
Datalink statistics
-- Total of 1 flow:
Average throughput: 257.19 Mbit/s
95th percentile per-packet one-way delay: 182.023 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 257.19 Mbit/s
95th percentile per-packet one-way delay: 182.023 ms
Loss rate: 0.51%

Run 5: Report of Verus — Data Link

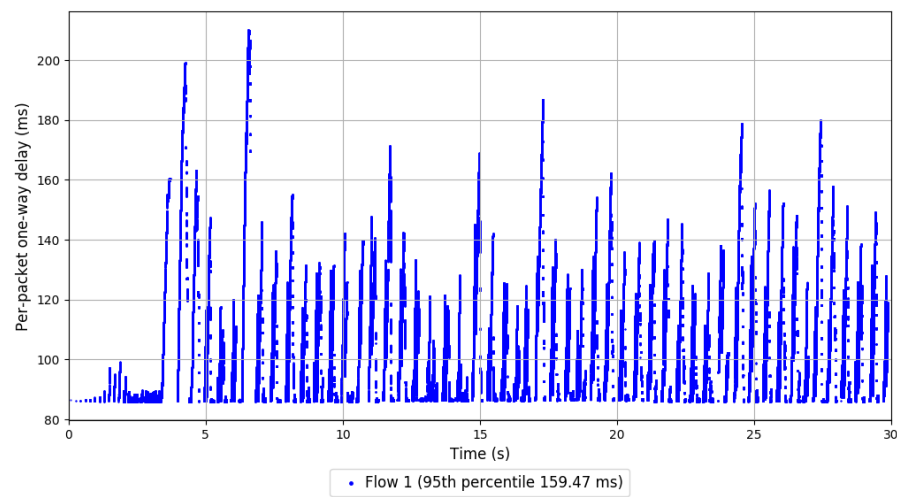
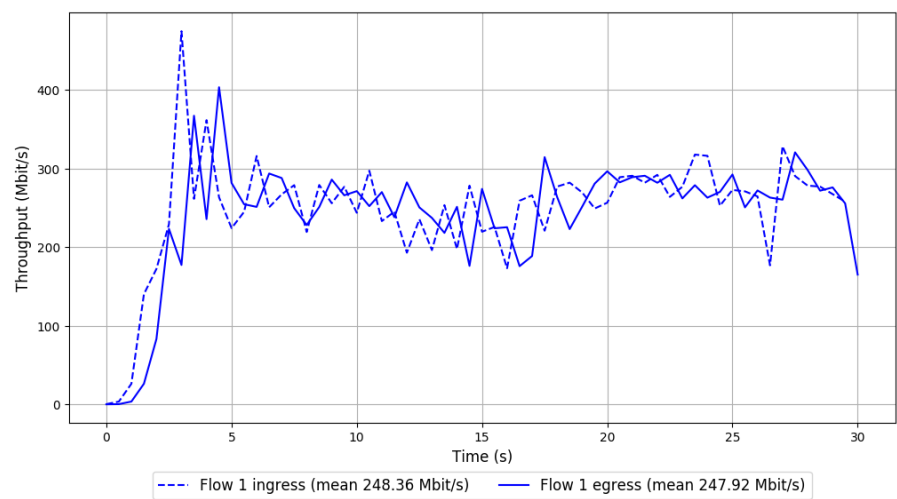


Run 6: Statistics of Verus

Start at: 2018-08-01 14:17:27
End at: 2018-08-01 14:17:58
Local clock offset: 0.049 ms
Remote clock offset: -0.106 ms

Below is generated by plot.py at 2018-08-01 17:35:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 247.92 Mbit/s
95th percentile per-packet one-way delay: 159.471 ms
Loss rate: 0.75%
-- Flow 1:
Average throughput: 247.92 Mbit/s
95th percentile per-packet one-way delay: 159.471 ms
Loss rate: 0.75%

Run 6: Report of Verus — Data Link

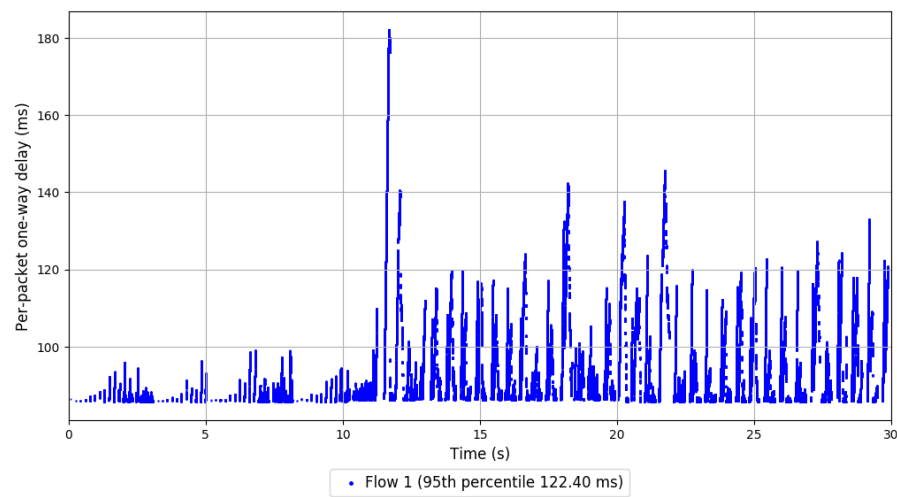
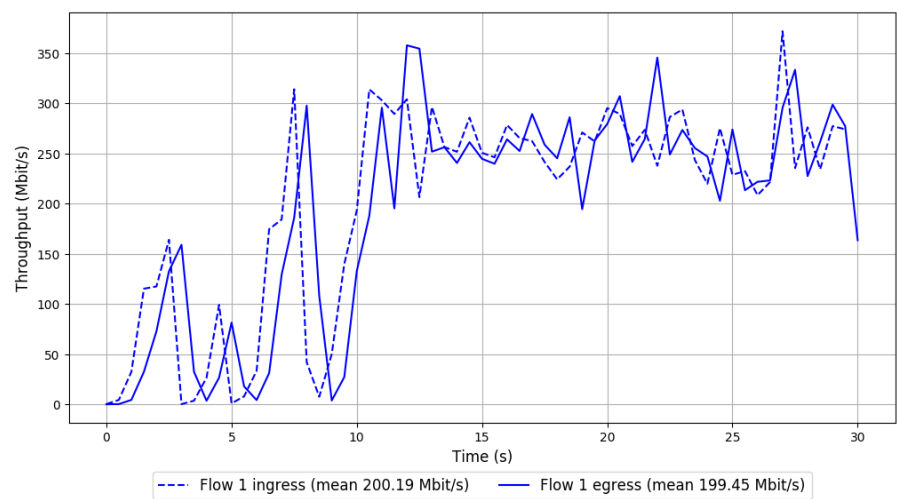


Run 7: Statistics of Verus

Start at: 2018-08-01 14:39:49
End at: 2018-08-01 14:40:19
Local clock offset: -0.151 ms
Remote clock offset: -0.175 ms

Below is generated by plot.py at 2018-08-01 17:35:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 199.45 Mbit/s
95th percentile per-packet one-way delay: 122.403 ms
Loss rate: 0.92%
-- Flow 1:
Average throughput: 199.45 Mbit/s
95th percentile per-packet one-way delay: 122.403 ms
Loss rate: 0.92%

Run 7: Report of Verus — Data Link

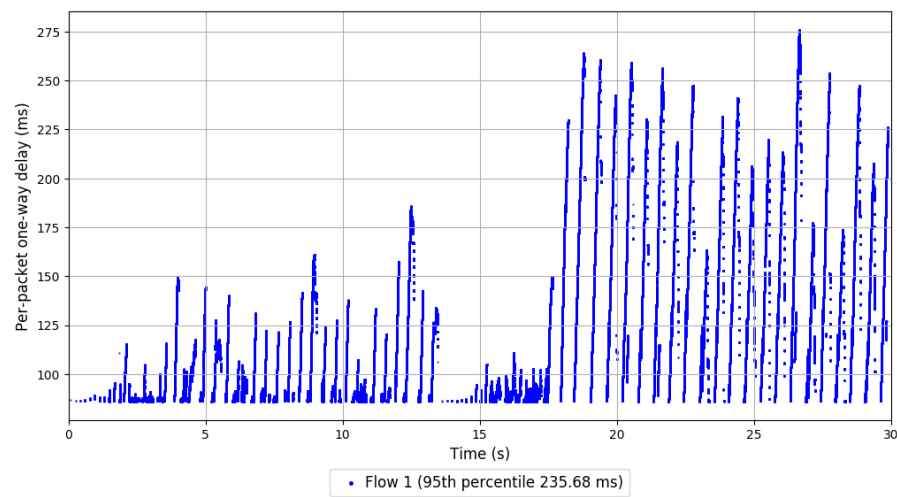
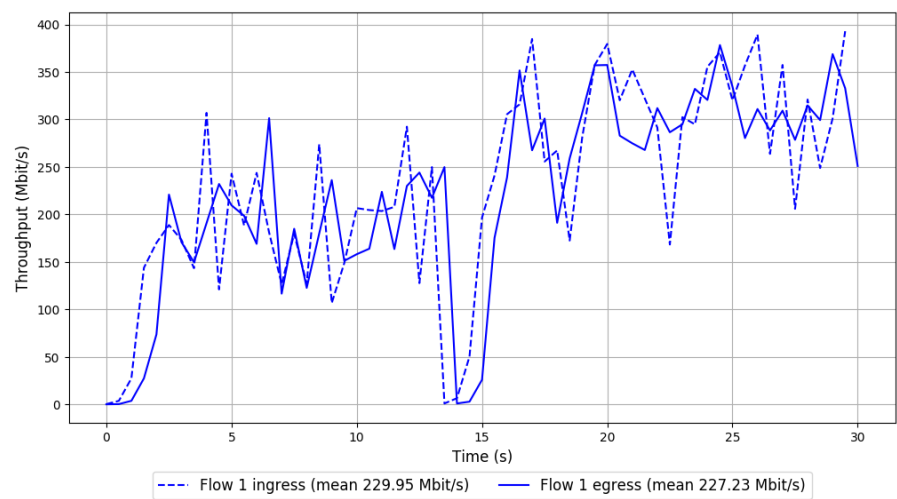


Run 8: Statistics of Verus

Start at: 2018-08-01 15:01:54
End at: 2018-08-01 15:02:24
Local clock offset: 0.069 ms
Remote clock offset: -0.166 ms

Below is generated by plot.py at 2018-08-01 17:35:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 227.23 Mbit/s
95th percentile per-packet one-way delay: 235.675 ms
Loss rate: 1.43%
-- Flow 1:
Average throughput: 227.23 Mbit/s
95th percentile per-packet one-way delay: 235.675 ms
Loss rate: 1.43%

Run 8: Report of Verus — Data Link

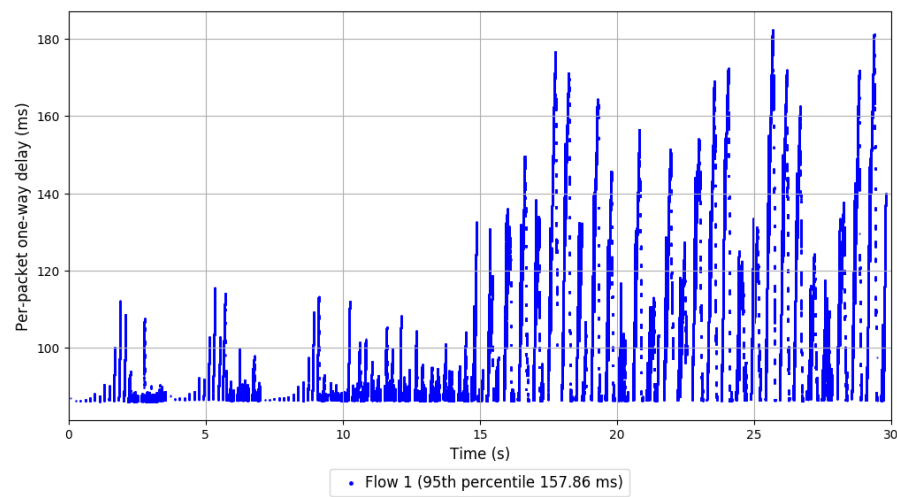
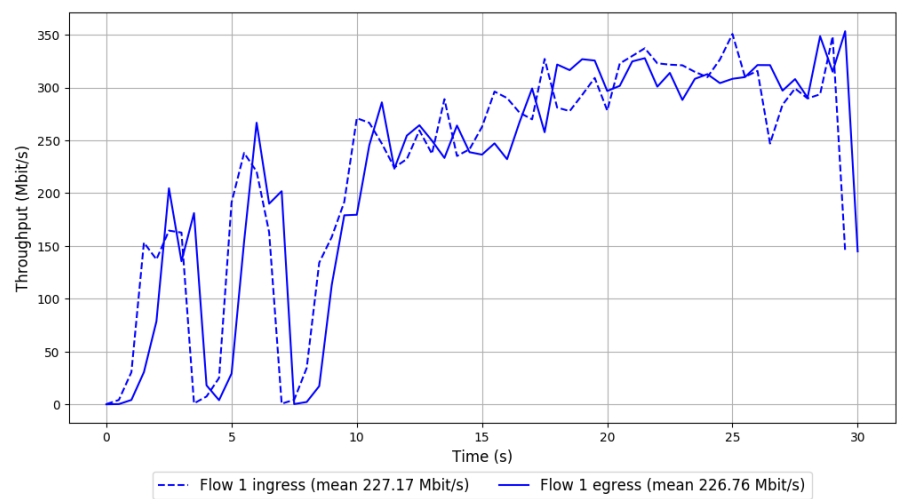


Run 9: Statistics of Verus

Start at: 2018-08-01 15:23:46
End at: 2018-08-01 15:24:16
Local clock offset: 0.187 ms
Remote clock offset: -0.192 ms

Below is generated by plot.py at 2018-08-01 17:35:35
Datalink statistics
-- Total of 1 flow:
Average throughput: 226.76 Mbit/s
95th percentile per-packet one-way delay: 157.861 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 226.76 Mbit/s
95th percentile per-packet one-way delay: 157.861 ms
Loss rate: 0.00%

Run 9: Report of Verus — Data Link

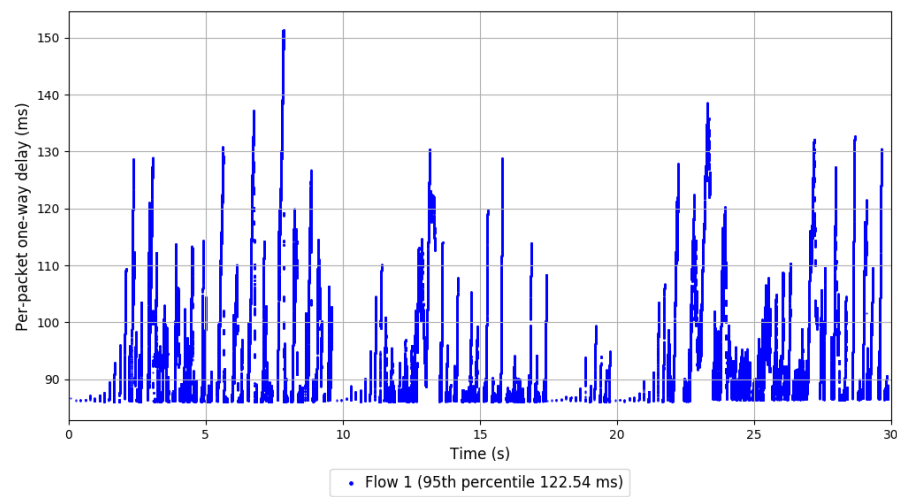
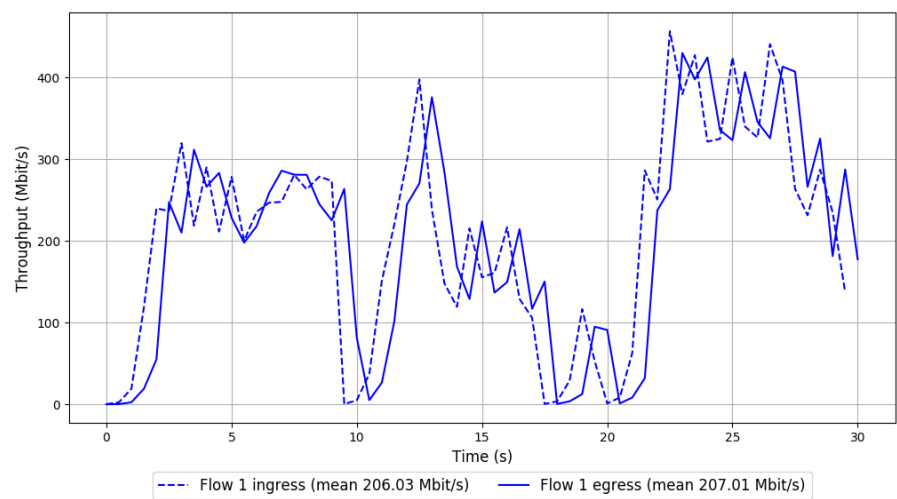


Run 10: Statistics of Verus

Start at: 2018-08-01 15:46:06
End at: 2018-08-01 15:46:36
Local clock offset: 0.048 ms
Remote clock offset: -0.012 ms

Below is generated by plot.py at 2018-08-01 17:35:45
Datalink statistics
-- Total of 1 flow:
Average throughput: 207.01 Mbit/s
95th percentile per-packet one-way delay: 122.544 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 207.01 Mbit/s
95th percentile per-packet one-way delay: 122.544 ms
Loss rate: 0.10%

Run 10: Report of Verus — Data Link



Run 1: Statistics of PCC-Vivace

Start at: 2018-08-01 12:23:19

End at: 2018-08-01 12:23:49

Local clock offset: 0.194 ms

Remote clock offset: -0.155 ms

Below is generated by plot.py at 2018-08-01 17:38:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 339.74 Mbit/s

95th percentile per-packet one-way delay: 86.604 ms

Loss rate: 0.63%

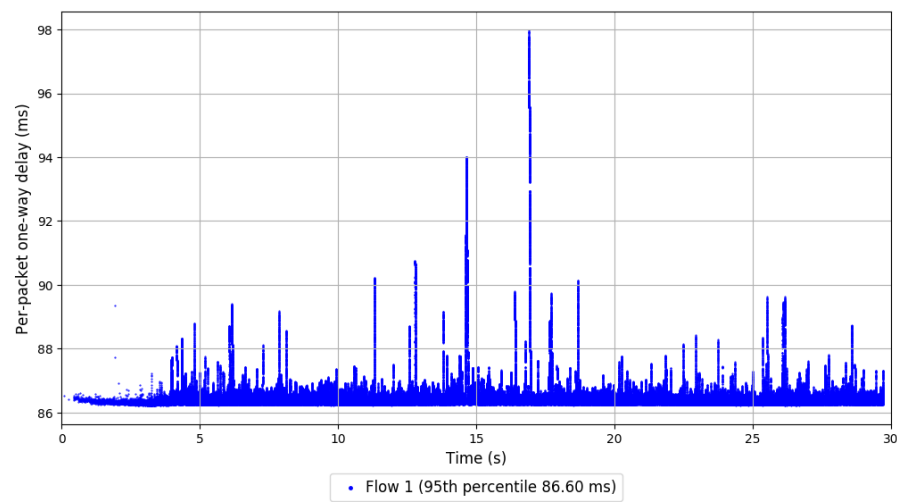
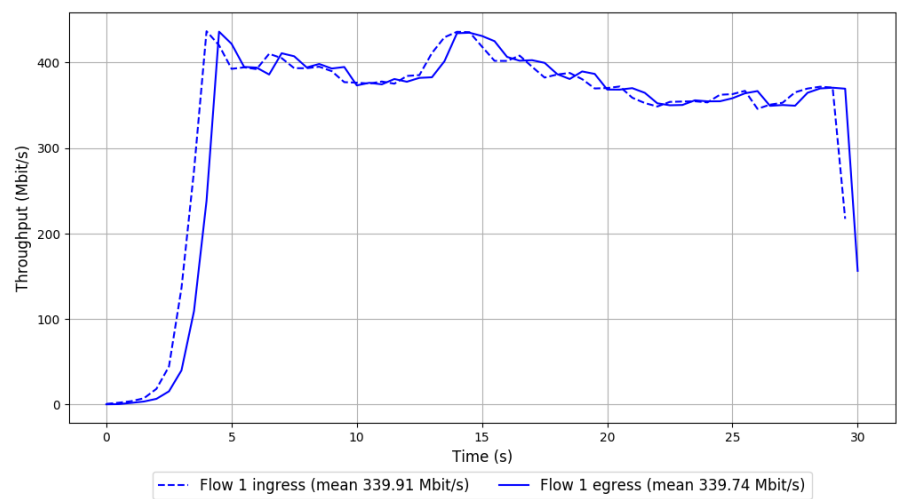
-- Flow 1:

Average throughput: 339.74 Mbit/s

95th percentile per-packet one-way delay: 86.604 ms

Loss rate: 0.63%

Run 1: Report of PCC-Vivace — Data Link

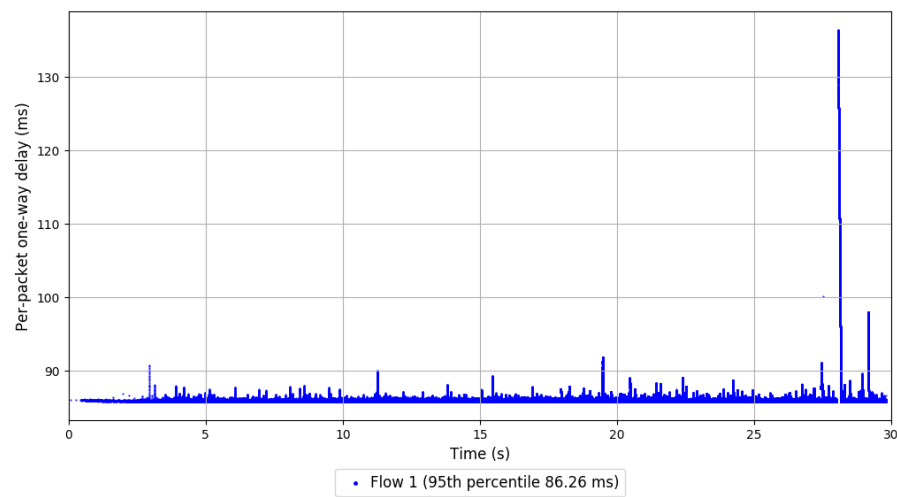
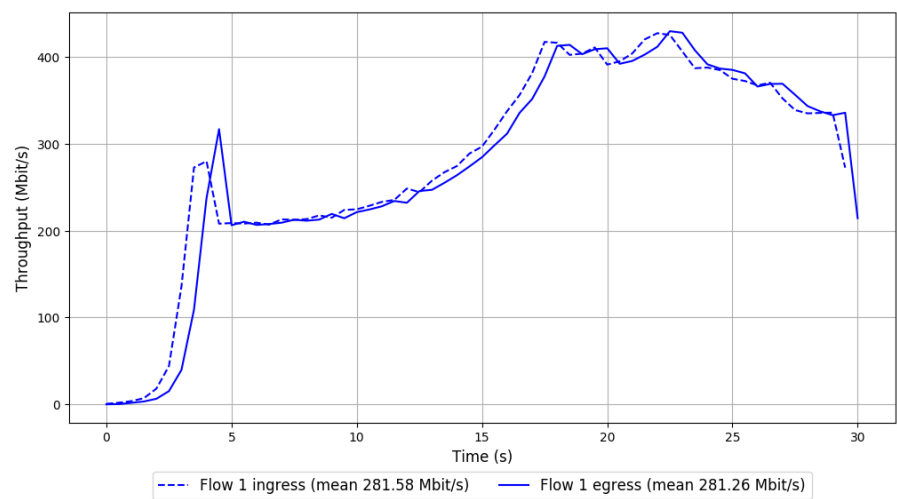


Run 2: Statistics of PCC-Vivace

Start at: 2018-08-01 12:45:32
End at: 2018-08-01 12:46:03
Local clock offset: -0.049 ms
Remote clock offset: -0.052 ms

Below is generated by plot.py at 2018-08-01 17:38:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 281.26 Mbit/s
95th percentile per-packet one-way delay: 86.257 ms
Loss rate: 0.69%
-- Flow 1:
Average throughput: 281.26 Mbit/s
95th percentile per-packet one-way delay: 86.257 ms
Loss rate: 0.69%

Run 2: Report of PCC-Vivace — Data Link

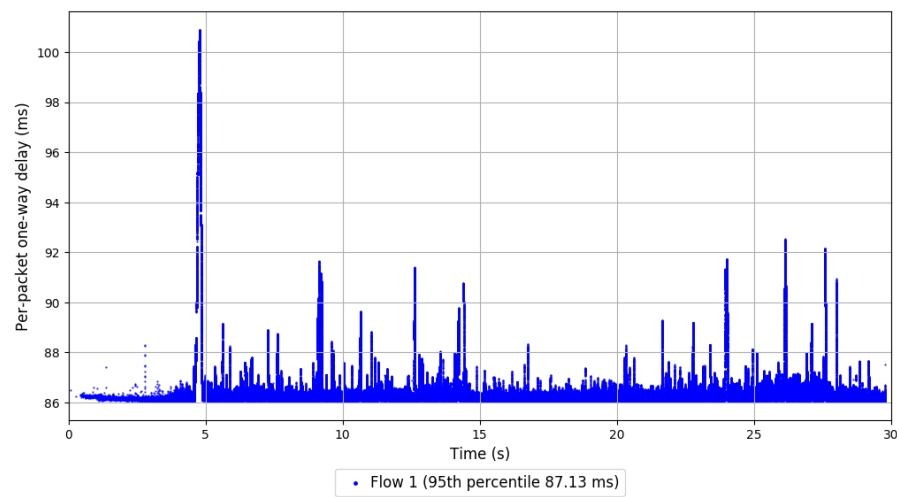
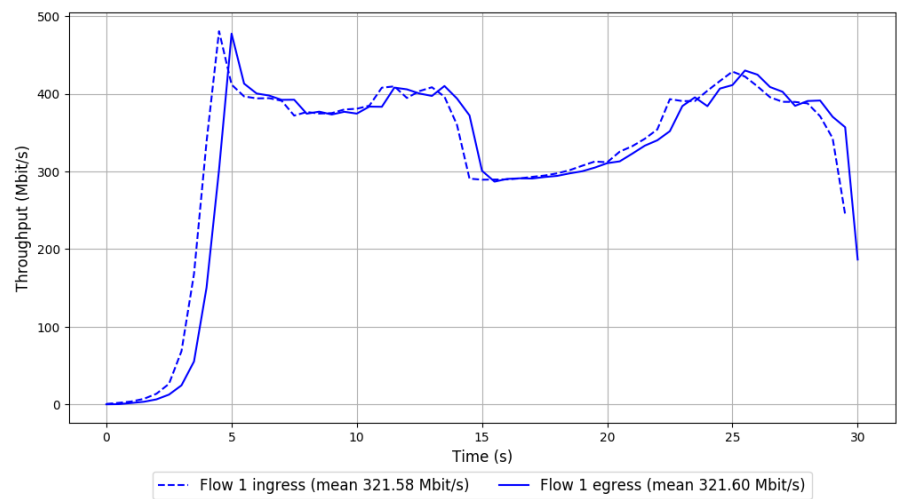


Run 3: Statistics of PCC-Vivace

Start at: 2018-08-01 13:07:47
End at: 2018-08-01 13:08:17
Local clock offset: 0.158 ms
Remote clock offset: -0.104 ms

Below is generated by plot.py at 2018-08-01 17:39:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 321.60 Mbit/s
95th percentile per-packet one-way delay: 87.129 ms
Loss rate: 0.57%
-- Flow 1:
Average throughput: 321.60 Mbit/s
95th percentile per-packet one-way delay: 87.129 ms
Loss rate: 0.57%

Run 3: Report of PCC-Vivace — Data Link

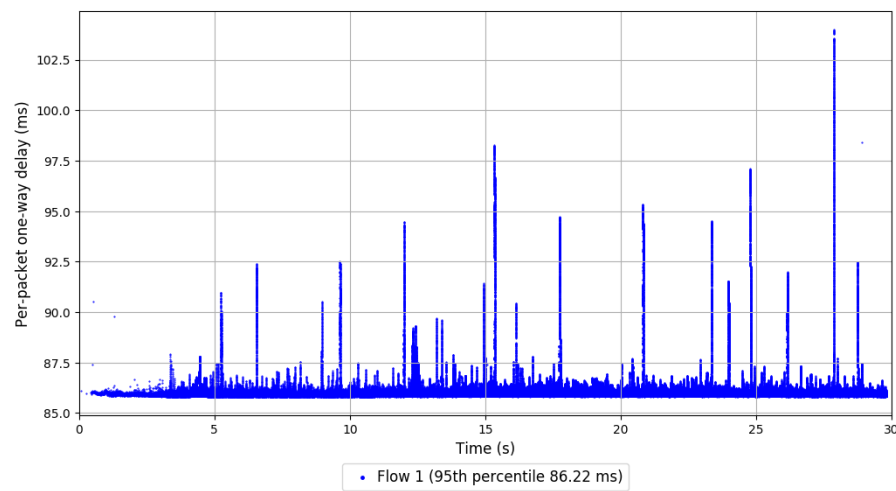
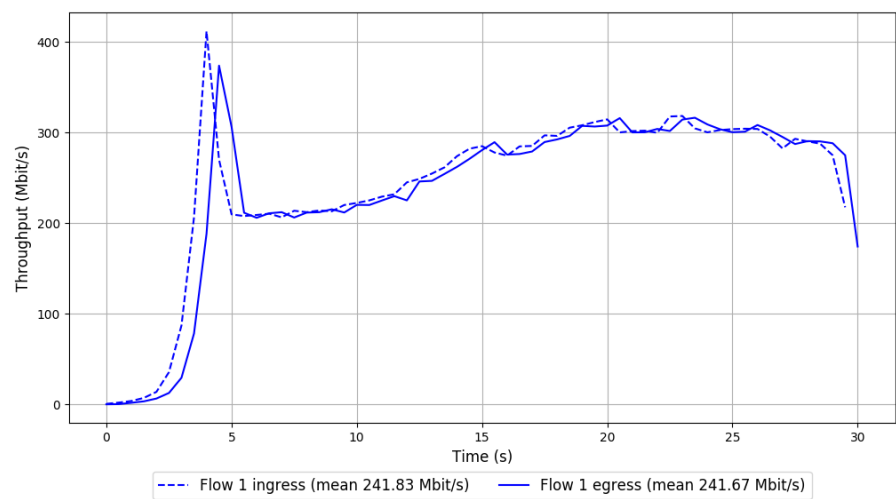


Run 4: Statistics of PCC-Vivace

Start at: 2018-08-01 13:29:49
End at: 2018-08-01 13:30:19
Local clock offset: -0.006 ms
Remote clock offset: -0.096 ms

Below is generated by plot.py at 2018-08-01 17:39:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 241.67 Mbit/s
95th percentile per-packet one-way delay: 86.222 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 241.67 Mbit/s
95th percentile per-packet one-way delay: 86.222 ms
Loss rate: 0.64%

Run 4: Report of PCC-Vivace — Data Link



Run 5: Statistics of PCC-Vivace

Start at: 2018-08-01 13:52:02

End at: 2018-08-01 13:52:32

Local clock offset: 0.083 ms

Remote clock offset: -0.086 ms

Below is generated by plot.py at 2018-08-01 17:40:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 346.06 Mbit/s

95th percentile per-packet one-way delay: 87.985 ms

Loss rate: 0.56%

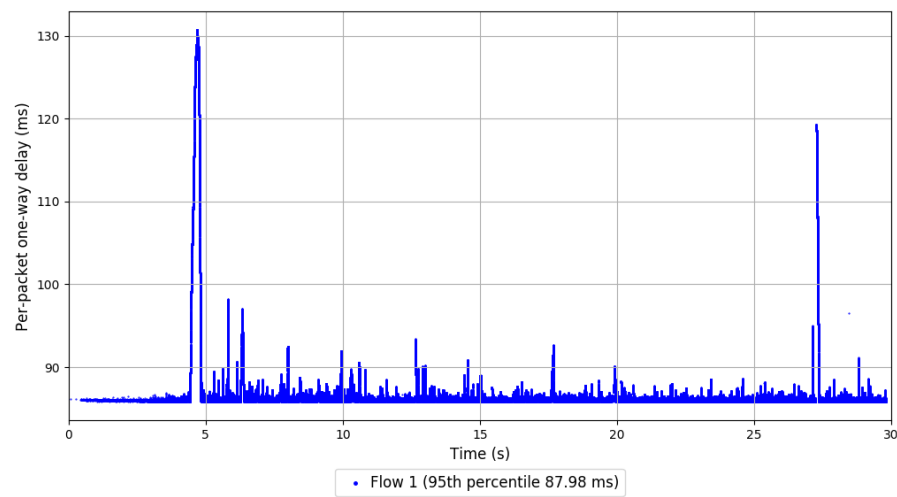
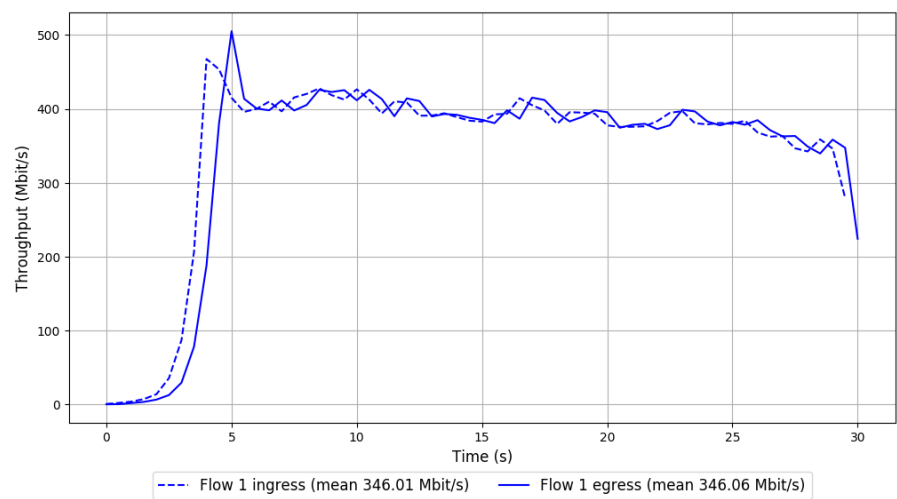
-- Flow 1:

Average throughput: 346.06 Mbit/s

95th percentile per-packet one-way delay: 87.985 ms

Loss rate: 0.56%

Run 5: Report of PCC-Vivace — Data Link

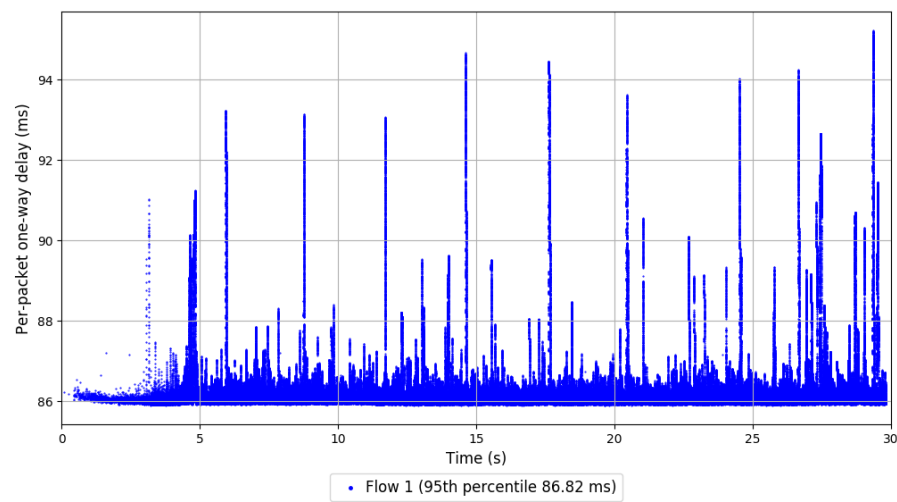
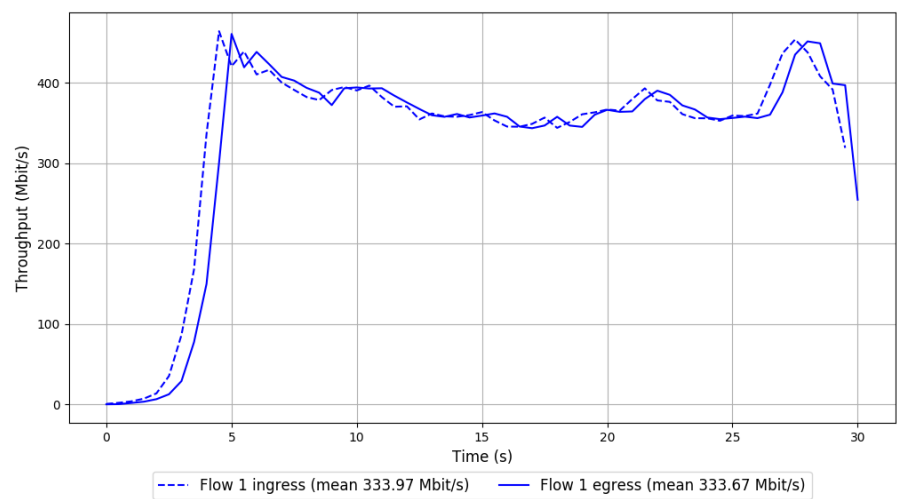


Run 6: Statistics of PCC-Vivace

Start at: 2018-08-01 14:14:27
End at: 2018-08-01 14:14:57
Local clock offset: 0.026 ms
Remote clock offset: -0.052 ms

Below is generated by plot.py at 2018-08-01 17:40:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 333.67 Mbit/s
95th percentile per-packet one-way delay: 86.818 ms
Loss rate: 0.67%
-- Flow 1:
Average throughput: 333.67 Mbit/s
95th percentile per-packet one-way delay: 86.818 ms
Loss rate: 0.67%

Run 6: Report of PCC-Vivace — Data Link

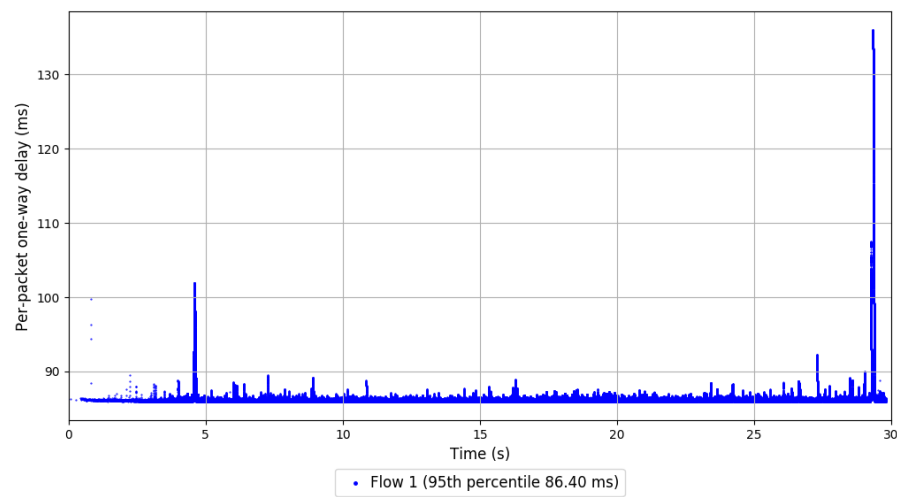
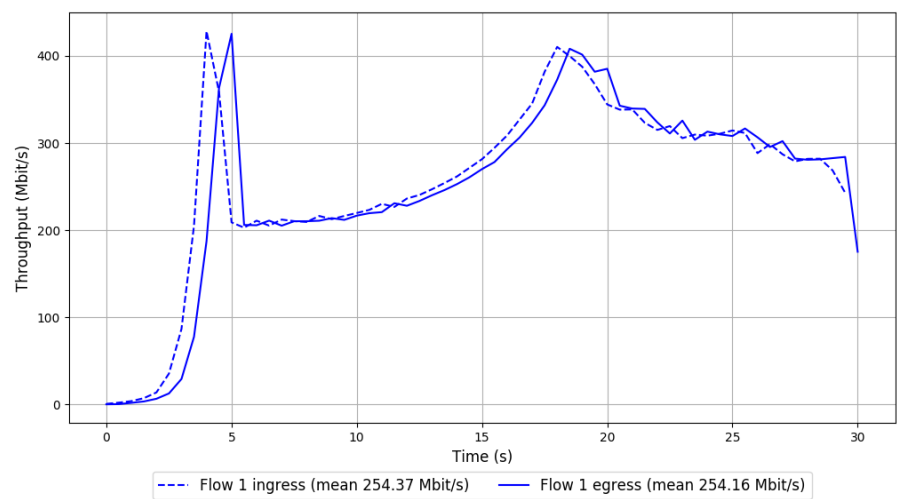


Run 7: Statistics of PCC-Vivace

Start at: 2018-08-01 14:36:40
End at: 2018-08-01 14:37:10
Local clock offset: 0.099 ms
Remote clock offset: -0.147 ms

Below is generated by plot.py at 2018-08-01 17:40:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 254.16 Mbit/s
95th percentile per-packet one-way delay: 86.401 ms
Loss rate: 0.66%
-- Flow 1:
Average throughput: 254.16 Mbit/s
95th percentile per-packet one-way delay: 86.401 ms
Loss rate: 0.66%

Run 7: Report of PCC-Vivace — Data Link



Run 8: Statistics of PCC-Vivace

Start at: 2018-08-01 14:58:55

End at: 2018-08-01 14:59:25

Local clock offset: 0.061 ms

Remote clock offset: -0.15 ms

Below is generated by plot.py at 2018-08-01 17:40:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 227.13 Mbit/s

95th percentile per-packet one-way delay: 86.209 ms

Loss rate: 0.81%

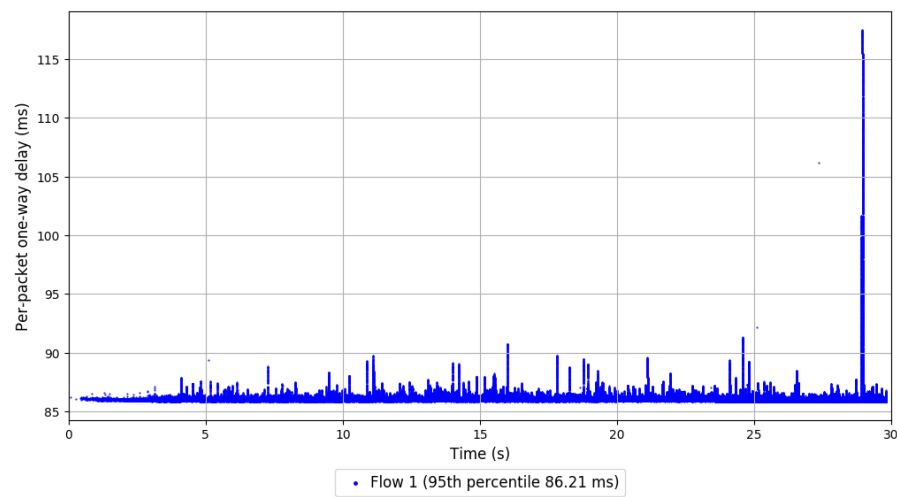
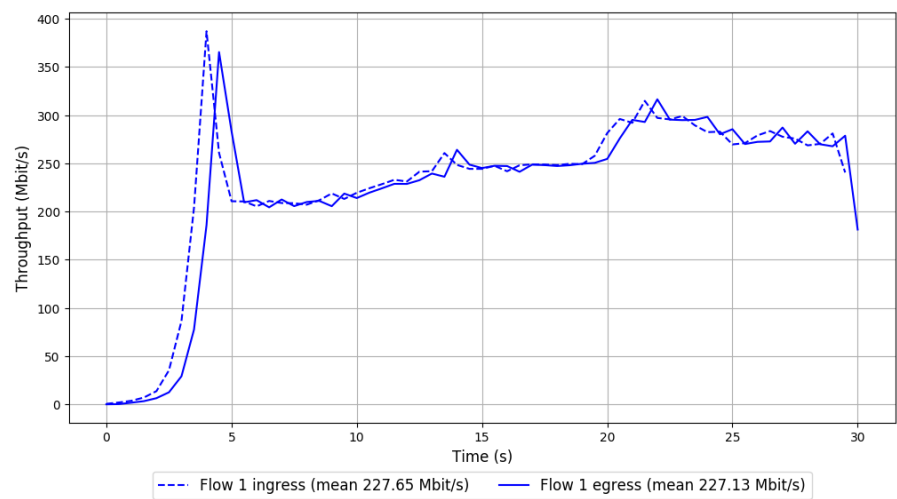
-- Flow 1:

Average throughput: 227.13 Mbit/s

95th percentile per-packet one-way delay: 86.209 ms

Loss rate: 0.81%

Run 8: Report of PCC-Vivace — Data Link

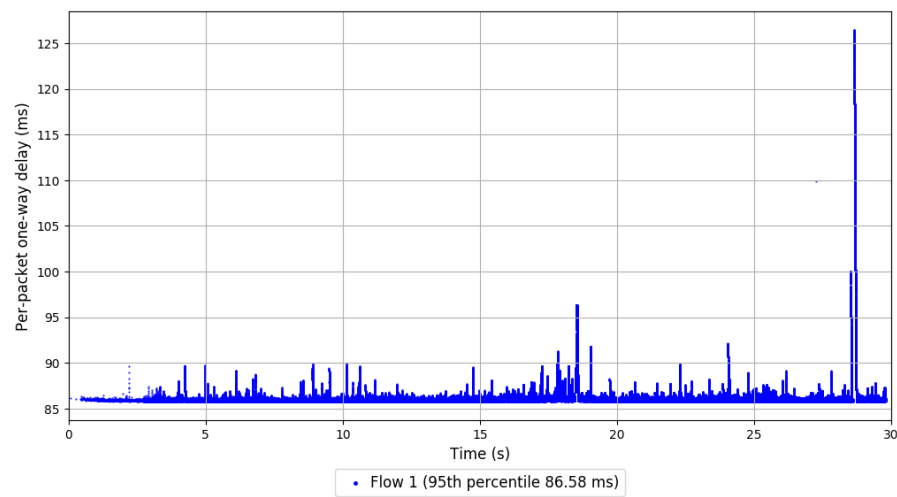
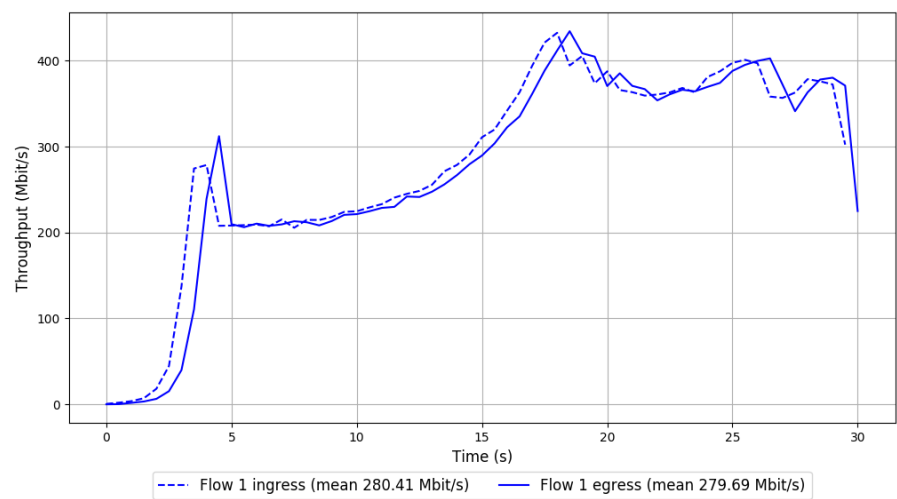


Run 9: Statistics of PCC-Vivace

Start at: 2018-08-01 15:21:04
End at: 2018-08-01 15:21:34
Local clock offset: -0.086 ms
Remote clock offset: -0.163 ms

Below is generated by plot.py at 2018-08-01 17:41:09
Datalink statistics
-- Total of 1 flow:
Average throughput: 279.69 Mbit/s
95th percentile per-packet one-way delay: 86.577 ms
Loss rate: 0.84%
-- Flow 1:
Average throughput: 279.69 Mbit/s
95th percentile per-packet one-way delay: 86.577 ms
Loss rate: 0.84%

Run 9: Report of PCC-Vivace — Data Link

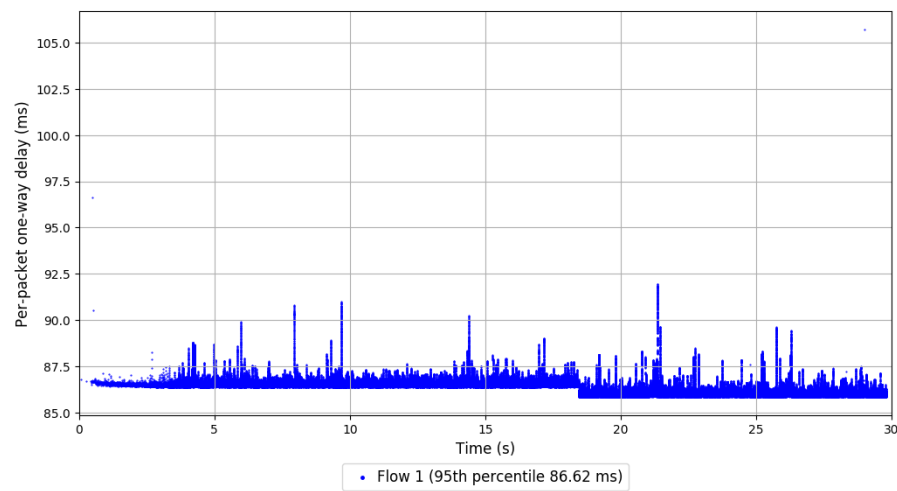
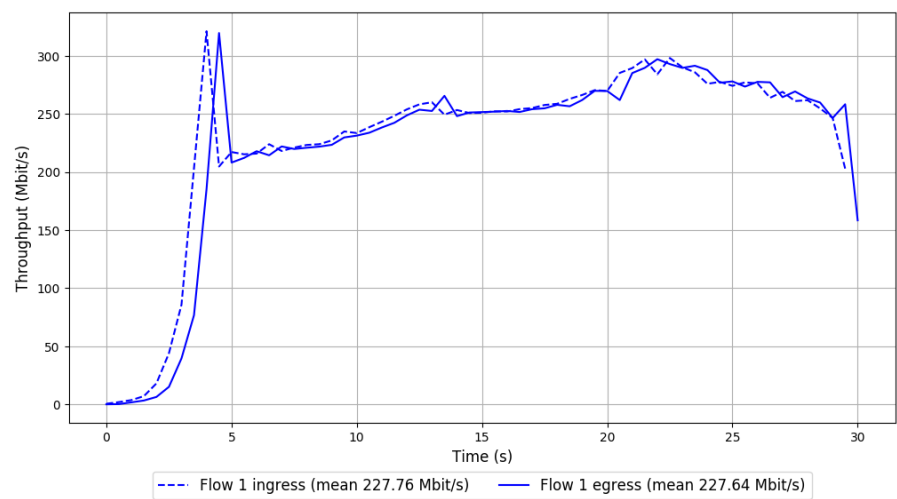


Run 10: Statistics of PCC-Vivace

Start at: 2018-08-01 15:43:00
End at: 2018-08-01 15:43:30
Local clock offset: 0.01 ms
Remote clock offset: -0.038 ms

Below is generated by plot.py at 2018-08-01 17:41:09
Datalink statistics
-- Total of 1 flow:
Average throughput: 227.64 Mbit/s
95th percentile per-packet one-way delay: 86.620 ms
Loss rate: 0.63%
-- Flow 1:
Average throughput: 227.64 Mbit/s
95th percentile per-packet one-way delay: 86.620 ms
Loss rate: 0.63%

Run 10: Report of PCC-Vivace — Data Link



Run 1: Statistics of WebRTC media

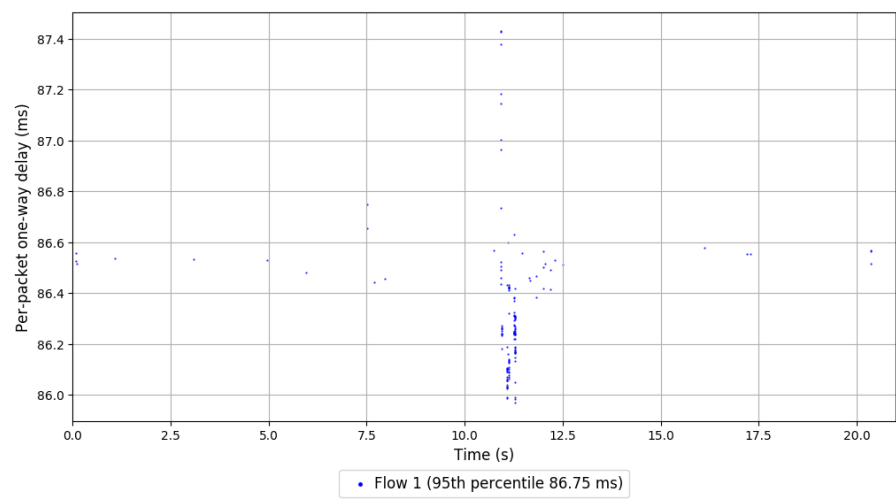
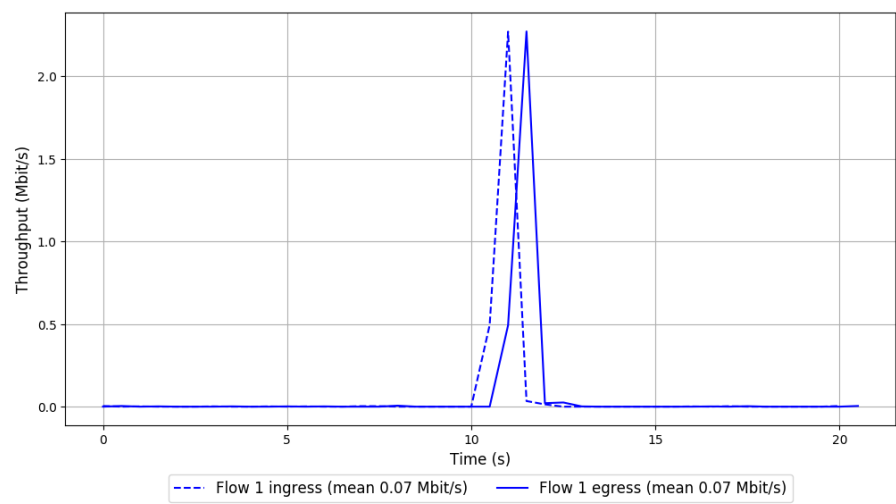
Start at: 2018-08-01 12:34:09

End at: 2018-08-01 12:34:39

Local clock offset: 0.029 ms

Remote clock offset: -0.146 ms

Run 1: Report of WebRTC media — Data Link

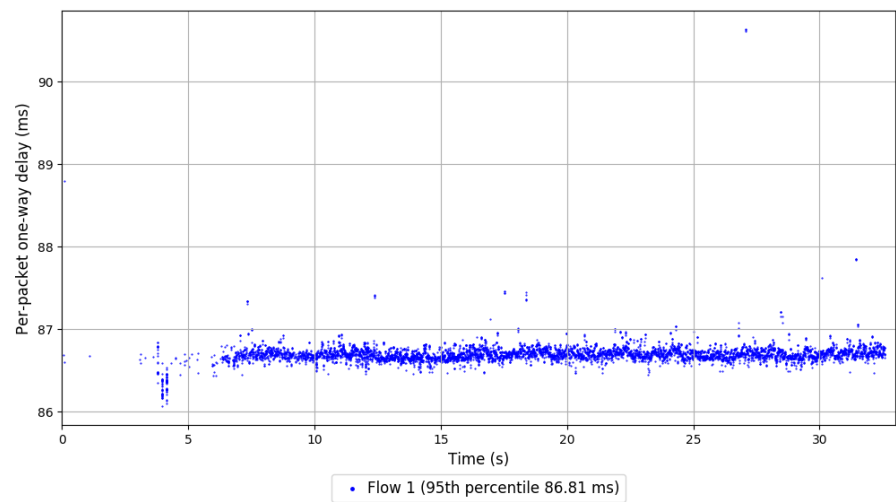
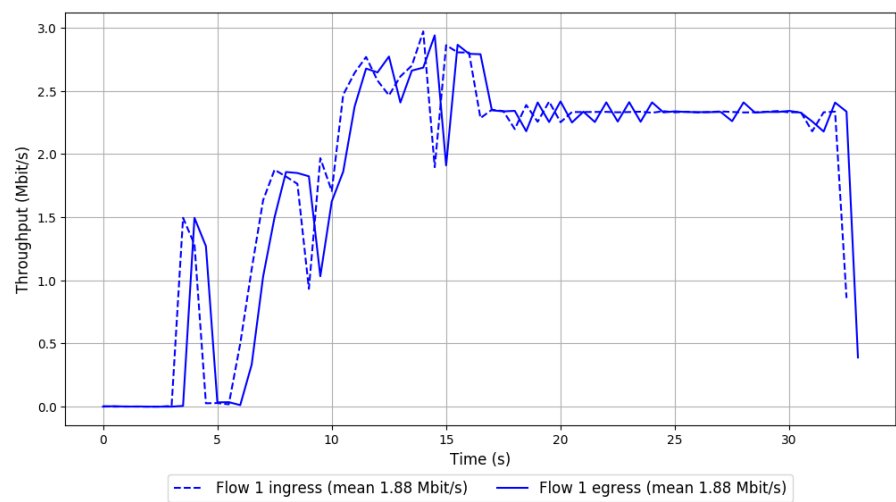


Run 2: Statistics of WebRTC media

Start at: 2018-08-01 12:56:28
End at: 2018-08-01 12:56:58
Local clock offset: 0.247 ms
Remote clock offset: -0.046 ms

Below is generated by plot.py at 2018-08-01 17:41:09
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.88 Mbit/s
95th percentile per-packet one-way delay: 86.814 ms
Loss rate: 0.70%
-- Flow 1:
Average throughput: 1.88 Mbit/s
95th percentile per-packet one-way delay: 86.814 ms
Loss rate: 0.70%

Run 2: Report of WebRTC media — Data Link

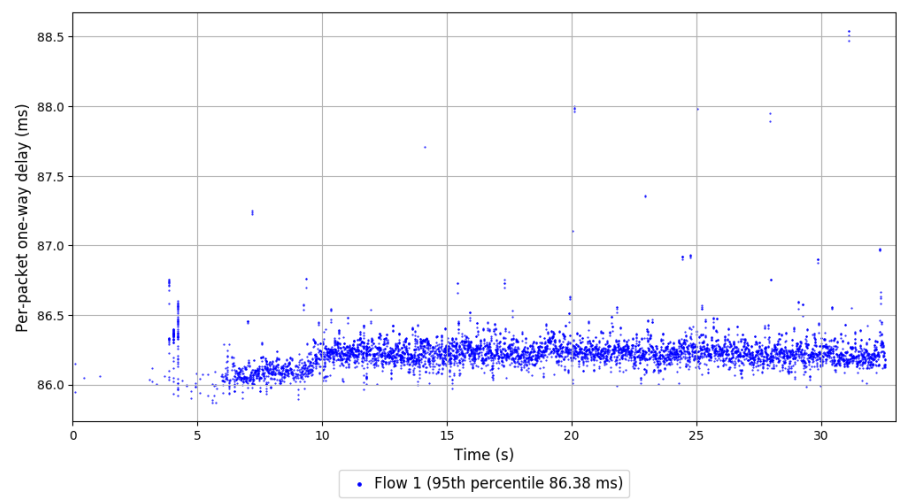
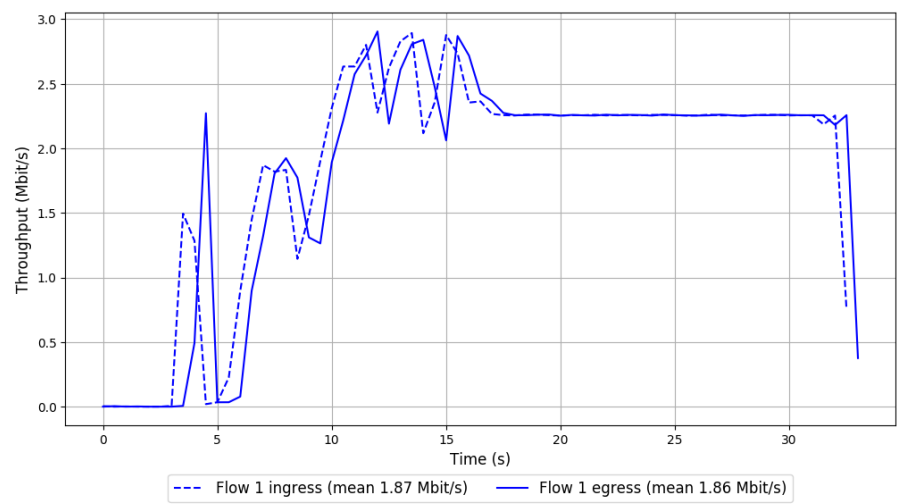


Run 3: Statistics of WebRTC media

Start at: 2018-08-01 13:18:26
End at: 2018-08-01 13:18:56
Local clock offset: 0.047 ms
Remote clock offset: -0.047 ms

Below is generated by plot.py at 2018-08-01 17:41:09
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.86 Mbit/s
95th percentile per-packet one-way delay: 86.375 ms
Loss rate: 0.62%
-- Flow 1:
Average throughput: 1.86 Mbit/s
95th percentile per-packet one-way delay: 86.375 ms
Loss rate: 0.62%

Run 3: Report of WebRTC media — Data Link

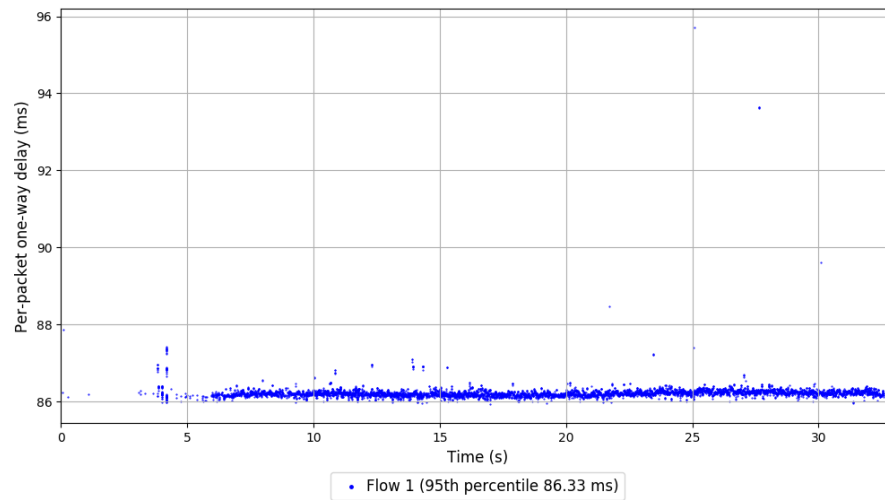
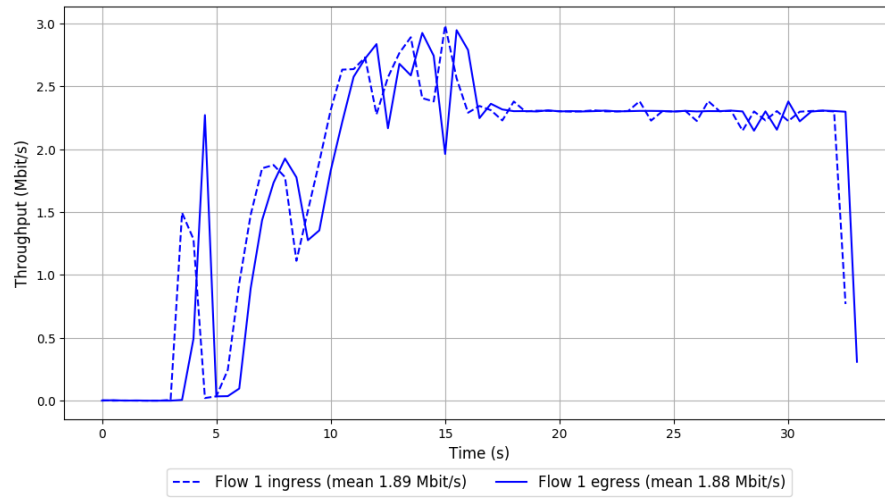


Run 4: Statistics of WebRTC media

Start at: 2018-08-01 13:40:43
End at: 2018-08-01 13:41:13
Local clock offset: 0.073 ms
Remote clock offset: -0.112 ms

Below is generated by plot.py at 2018-08-01 17:41:09
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.88 Mbit/s
95th percentile per-packet one-way delay: 86.333 ms
Loss rate: 0.69%
-- Flow 1:
Average throughput: 1.88 Mbit/s
95th percentile per-packet one-way delay: 86.333 ms
Loss rate: 0.69%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2018-08-01 14:03:09

End at: 2018-08-01 14:03:39

Local clock offset: 0.166 ms

Remote clock offset: -0.07 ms

Below is generated by plot.py at 2018-08-01 17:41:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.87 Mbit/s

95th percentile per-packet one-way delay: 86.716 ms

Loss rate: 0.62%

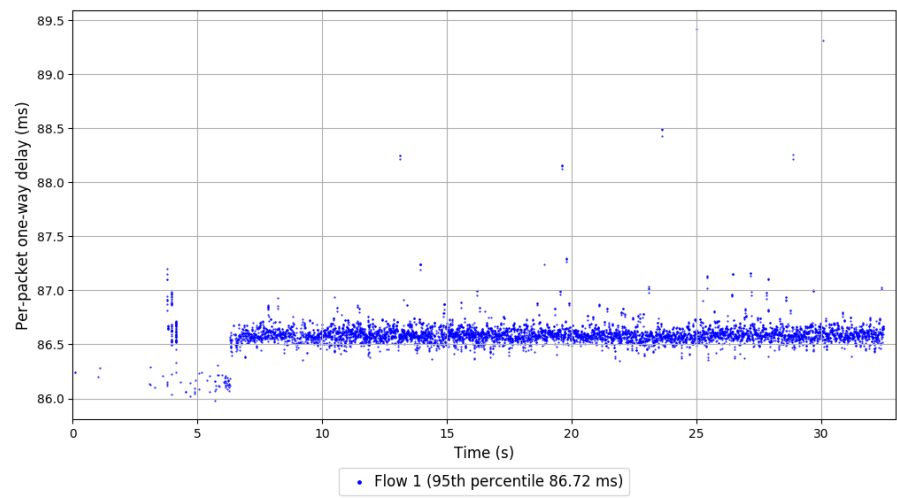
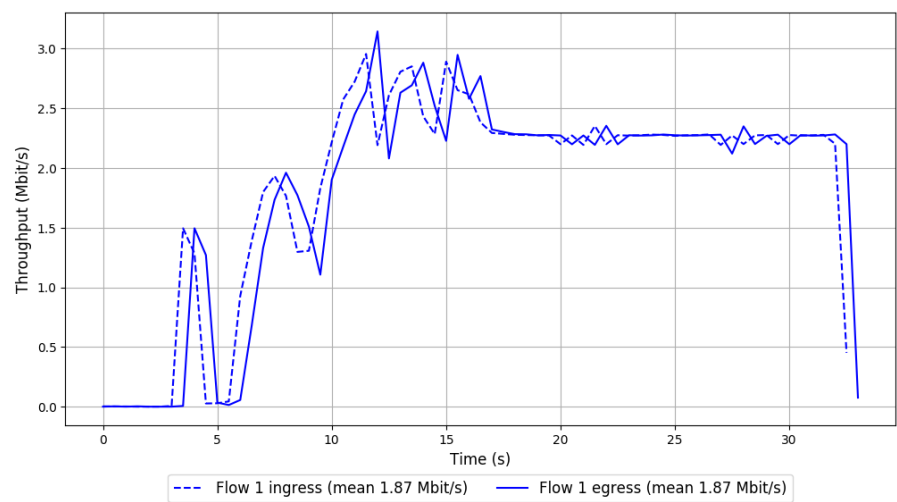
-- Flow 1:

Average throughput: 1.87 Mbit/s

95th percentile per-packet one-way delay: 86.716 ms

Loss rate: 0.62%

Run 5: Report of WebRTC media — Data Link

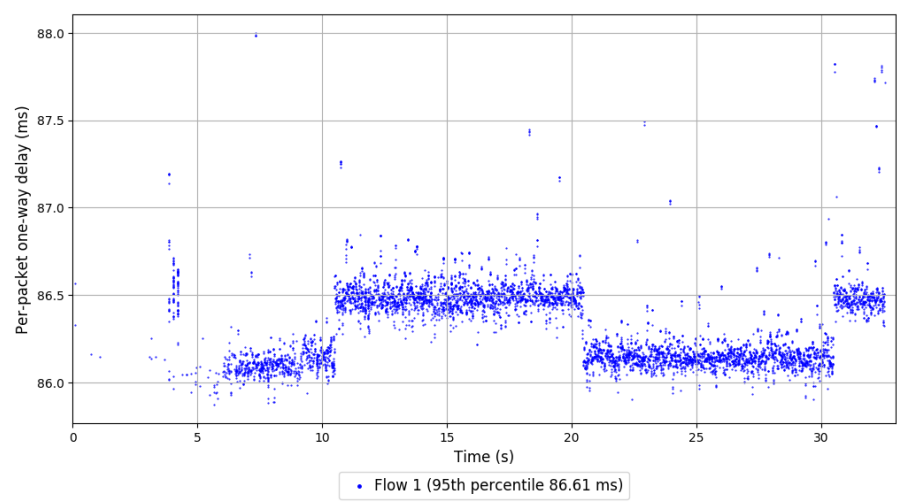
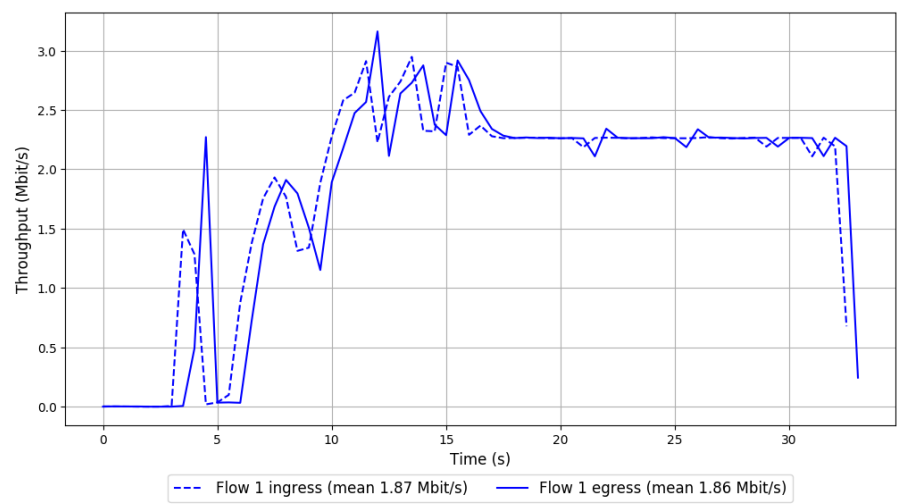


Run 6: Statistics of WebRTC media

Start at: 2018-08-01 14:25:21
End at: 2018-08-01 14:25:51
Local clock offset: -0.026 ms
Remote clock offset: -0.109 ms

Below is generated by plot.py at 2018-08-01 17:41:09
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.86 Mbit/s
95th percentile per-packet one-way delay: 86.609 ms
Loss rate: 0.66%
-- Flow 1:
Average throughput: 1.86 Mbit/s
95th percentile per-packet one-way delay: 86.609 ms
Loss rate: 0.66%

Run 6: Report of WebRTC media — Data Link

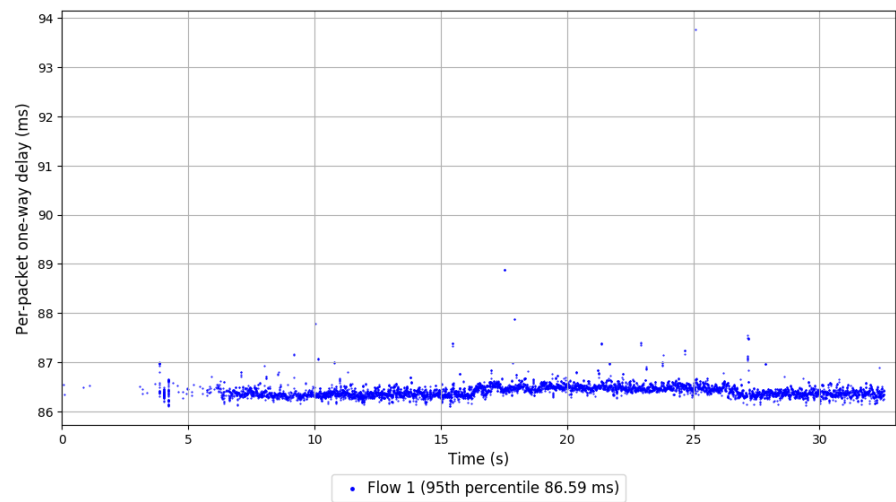
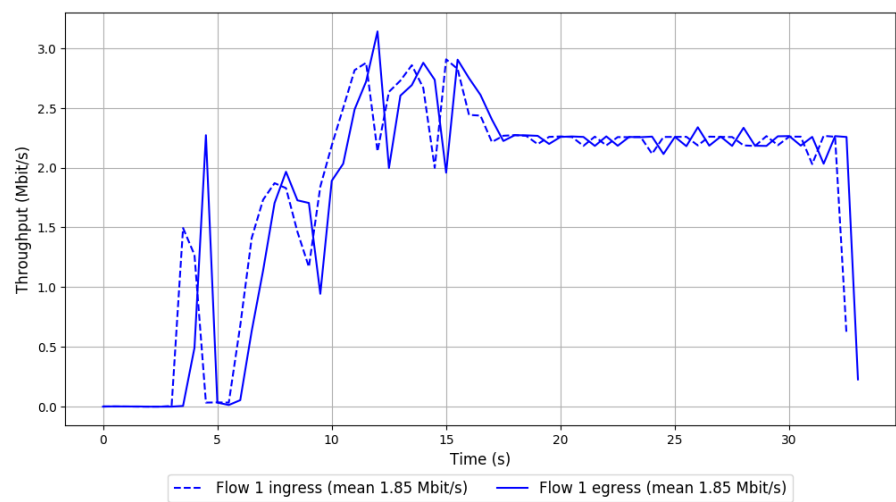


Run 7: Statistics of WebRTC media

Start at: 2018-08-01 14:47:35
End at: 2018-08-01 14:48:05
Local clock offset: 0.226 ms
Remote clock offset: -0.162 ms

Below is generated by plot.py at 2018-08-01 17:41:09
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.85 Mbit/s
95th percentile per-packet one-way delay: 86.589 ms
Loss rate: 0.63%
-- Flow 1:
Average throughput: 1.85 Mbit/s
95th percentile per-packet one-way delay: 86.589 ms
Loss rate: 0.63%

Run 7: Report of WebRTC media — Data Link

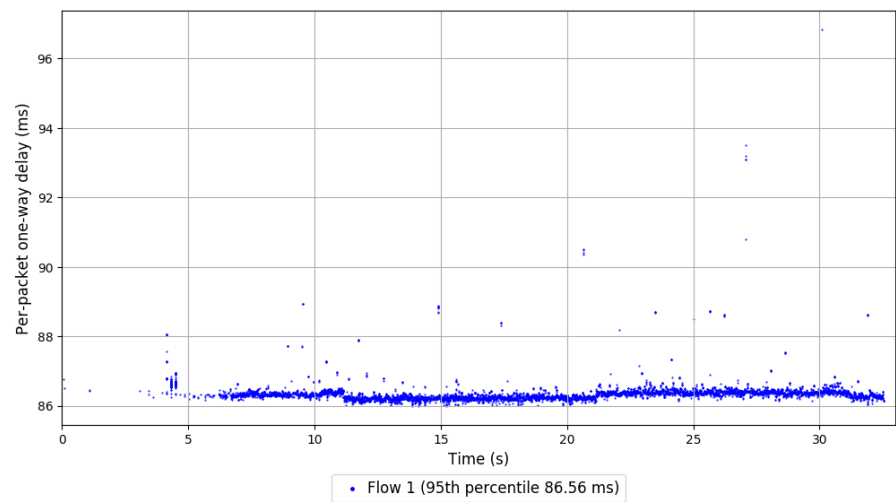
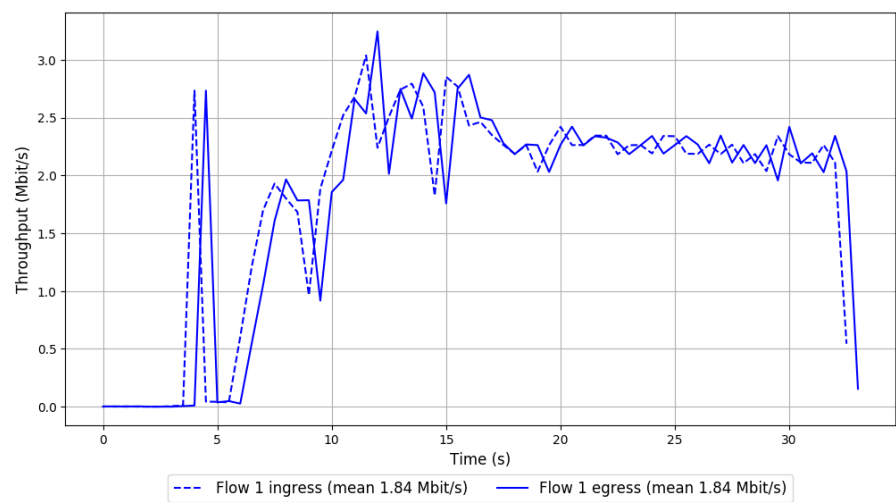


Run 8: Statistics of WebRTC media

Start at: 2018-08-01 15:09:44
End at: 2018-08-01 15:10:14
Local clock offset: 0.235 ms
Remote clock offset: -0.143 ms

Below is generated by plot.py at 2018-08-01 17:41:09
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.84 Mbit/s
95th percentile per-packet one-way delay: 86.556 ms
Loss rate: 0.65%
-- Flow 1:
Average throughput: 1.84 Mbit/s
95th percentile per-packet one-way delay: 86.556 ms
Loss rate: 0.65%

Run 8: Report of WebRTC media — Data Link



Run 9: Statistics of WebRTC media

Start at: 2018-08-01 15:31:37

End at: 2018-08-01 15:32:07

Local clock offset: -0.013 ms

Remote clock offset: -0.08 ms

Below is generated by plot.py at 2018-08-01 17:41:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.86 Mbit/s

95th percentile per-packet one-way delay: 86.348 ms

Loss rate: 0.63%

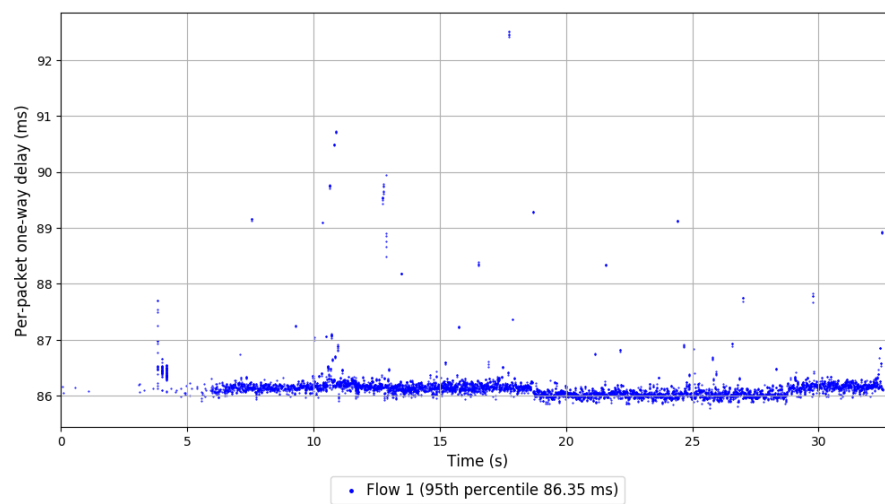
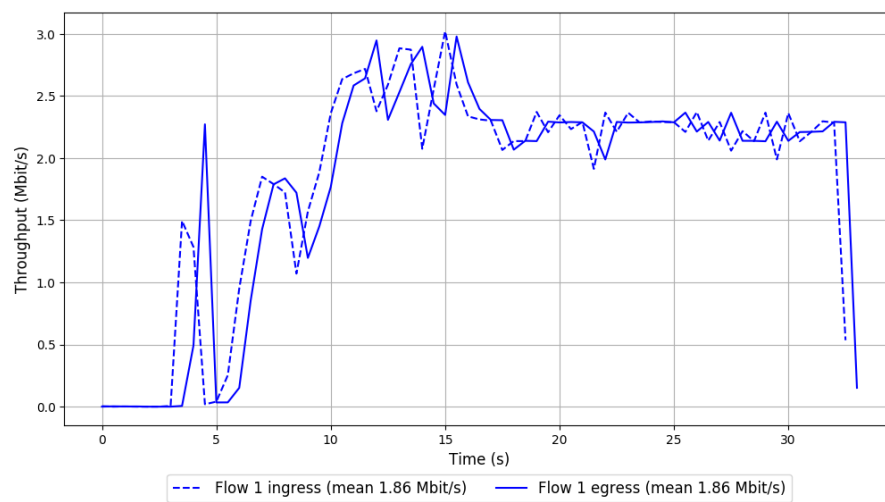
-- Flow 1:

Average throughput: 1.86 Mbit/s

95th percentile per-packet one-way delay: 86.348 ms

Loss rate: 0.63%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-08-01 15:53:57

End at: 2018-08-01 15:54:27

Local clock offset: -0.096 ms

Remote clock offset: 0.006 ms

Below is generated by plot.py at 2018-08-01 17:41:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.83 Mbit/s

95th percentile per-packet one-way delay: 86.640 ms

Loss rate: 0.57%

-- Flow 1:

Average throughput: 1.83 Mbit/s

95th percentile per-packet one-way delay: 86.640 ms

Loss rate: 0.57%

Run 10: Report of WebRTC media — Data Link

